

READ
Carefully
SAVE!

Directions

**FOR SETTING UP
AND OPERATING**

JOHN DEERE

AB200 Series TWO-ROW CULTIVATORS FOR MODELS "A", "B" AND "GM" TRACTORS

Serial Numbers:

AB-201

AB-207

AB-214

AB-202

AB-208

AB-216

AB-204

AB-212

AB-218

(Detail Design Subject to Change without Notice)

NOTICE

The object of these directions is to assist the customer in setting up this implement correctly and to aid the user in operating it to the best advantage.

An implement incorrectly set up or improperly operated cannot produce the best results.

If you will observe the cuts and descriptions and be guided accordingly, you will derive much helpful information.

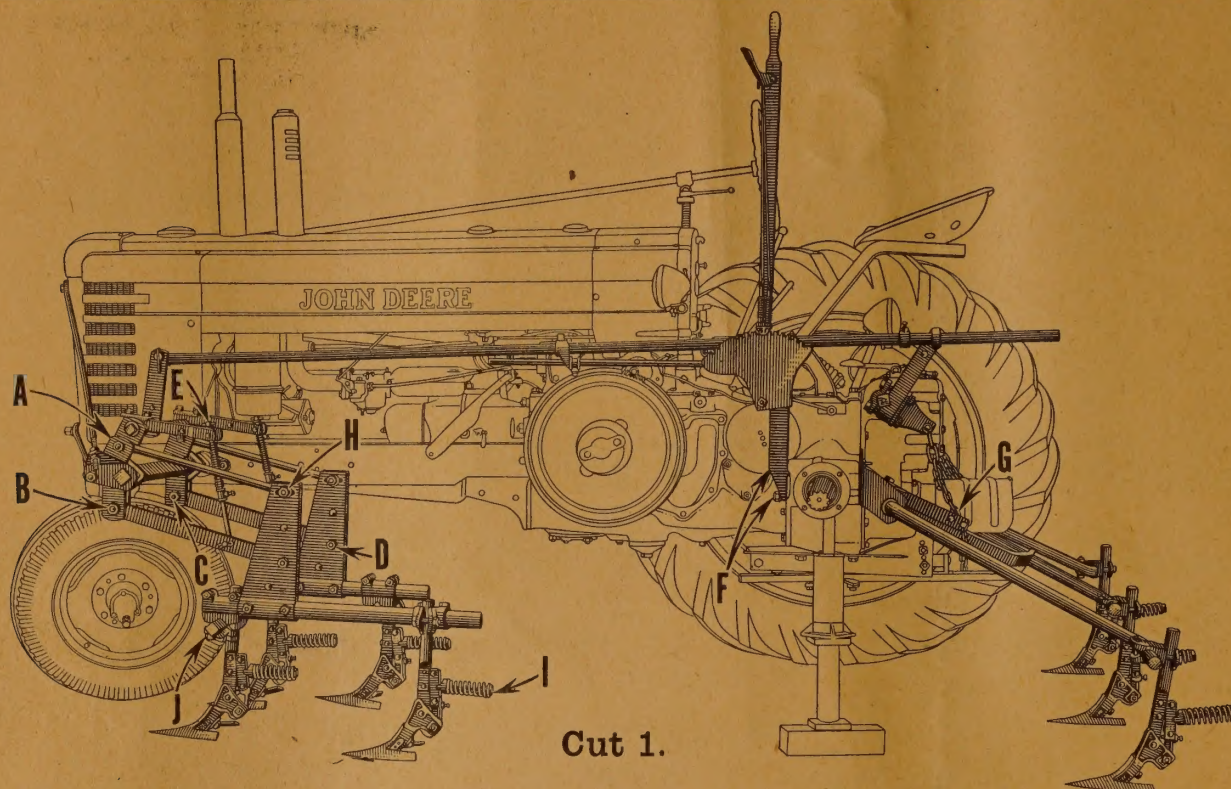
KEEP THESE DIRECTIONS FOR FUTURE REFERENCE

FACTORY ADDRESS:

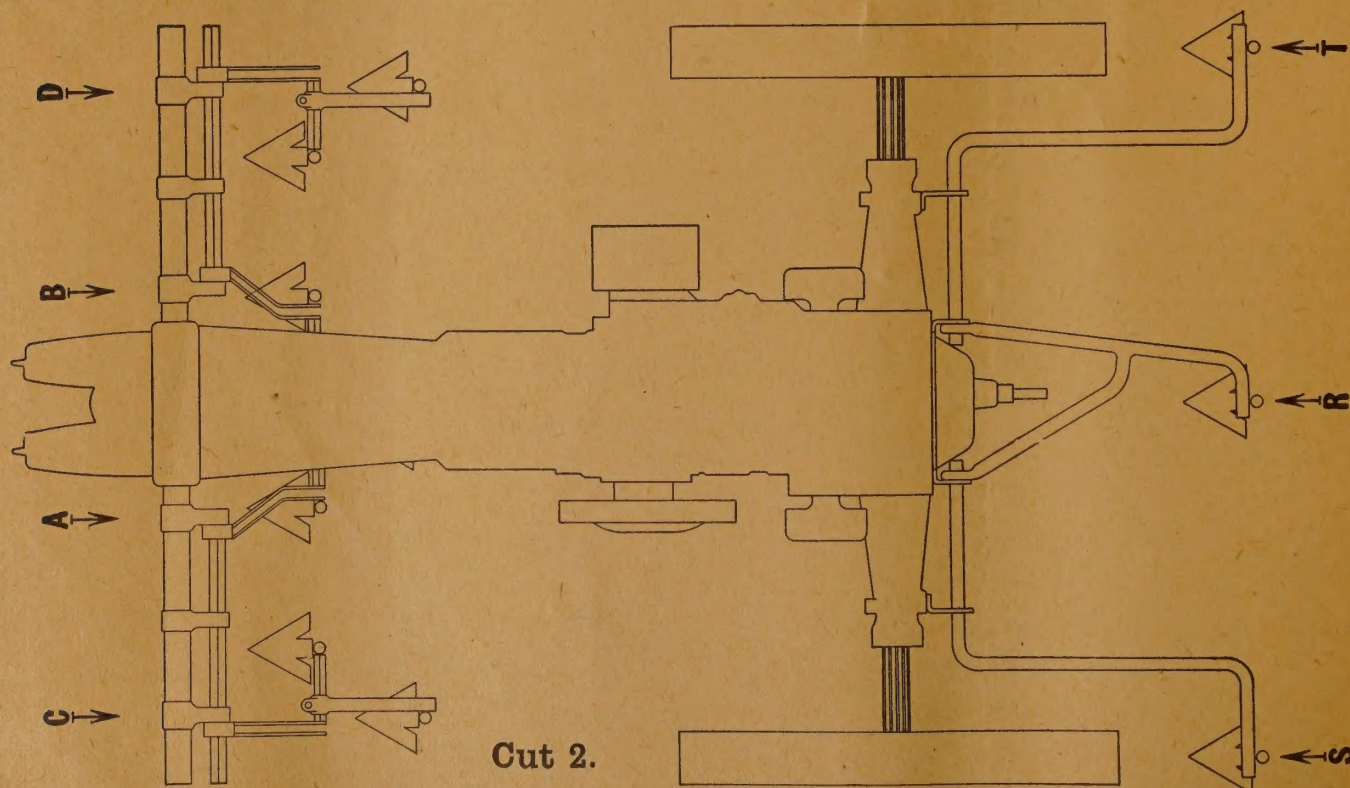
JOHN DEERE PLOW WORKS of Deere & Co.

MOLINE, ILLINOIS, U. S. A.





Left side of AB202 Power Lift Cultivator-Tractor Wheel removed.



Showing Positions at which Rigs must be attached.
(Tin tags on rigs carry corresponding letters.)

IMPORTANT

Before setting up your cultivator, study all the cuts in this direction carefully, to insure correct assembling of the cultivator on the tractor.

When the terms "right" or "left" are used in the instructions, it means from a position behind the tractor and cultivator and looking toward the front.

Overhead views of the front section and rear section of every cultivator in the AB200 Series are shown, and particular attention should be given to the cuts of the cultivator being set up.

The rear wheels of the tractor should be set to run approximately in the center of the space between two rows. For example, if cultivator is to be used in fields planted in 40" rows, the tractor wheels should be set 80" apart center to center; for 36" rows, 72" apart, etc.

On Model "GM" Tractors when cultivator is installed, it is necessary to remove the Master Tractor Power Shaft Shield to provide clearance for the center rear rig. (If cultivator is removed reinstall shield on the tractor.)

Use the wrench (B353 R) furnished with the Tractor for attaching the Cultivator and for making adjustments.

DESCRIPTION OF CULTIVATORS

All the cultivators listed below have four front rigs.

The AB201 has no rear rigs.

The AB207, AB214 and AB216 have two rear rigs.

The AB202, AB204, AB208, AB212, and AB218 have three rear rigs.

Number and Type of Shanks

Serial Number	Front	Rear	Total Number of Shovels or Sweeps	For Row Spaced
AB201	11 Spring Trip—1-3/8" Shanks	None	11	28" to 42"
AB202	8 Spring Trip—1-3/8" Shanks	3 Spring Trip—1-3/8" Shanks	11	34" to 42"
AB204	8 Double Spring Teeth	6 Single Spring Teeth	14	34" to 42"
AB207	9 Spring Trip—1-3/8" Shanks	4 Single Spring Teeth	13	34" to 42"
AB208	8 Spring Trip—1-3/8" Shanks	6 Single Spring Teeth	14	34" to 42"
AB212	8 Spring Trip—1-3/8" Shanks	3 Spring Trip—1-3/8" Shanks	11	28" to 48"
AB214	11 Single Spring Teeth	4 Single Spring Teeth	15	28" to 48"
AB216	11 Spring Trip—1-3/8" Shanks	4 Single Spring Teeth	15	28" to 48"
AB218	{ 4 Spring Trip—1-3/8" Shanks 7 Single Spring Teeth }	6 Single Spring Teeth	17	28" to 48"

The cultivators are erected at the factory for rows spaced 40" apart. To adjust rigs for other row spacings see instructions page 17.

The tractor tire inflation pressures set up in the tractor instruction book will apply.

TO SET UP

1. FRONT FRAMES:

For Model "A" Tractor Serial No. 477,000 and up and Model "B" Tractor Serial No. 60,000 and up see Cuts 3 and 5. For Model "GM" Tractor Serial No. G13,000 and up see Cut 4.

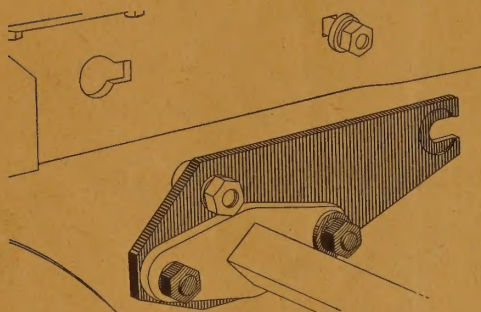
(a) Bolt front frame bars to right and left side of tractor frame. (Models "A" or "B".) Carriage bolt "X" is used in buttonhole in tractor frame. Machine bolt "Y" is inserted through the tractor frame from the inside and passes through the slotted hole in frame bar. When tightening nut on bolt "Y", make sure the thick washer "Z" fits into recess in frame bar.

(b) For Model "GM" Tractor the S10767 adapter plates are required. Bolt proper plate to frame bar as in Cut 4. Attach plate to tractor frame as in Cut 3.

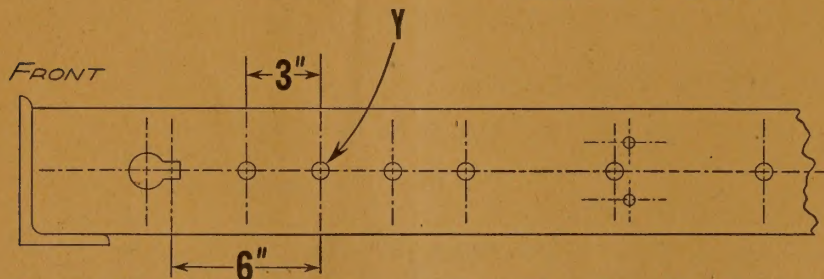
(If "GM" Tractor is equipped with batteries, one of the batteries must be removed so carriage bolt "Y" may be inserted through the tractor frame. Machine bolt must be used at "X".)

(c) For older Models "A", "B" or "G" Tractors which are not styled: These tractors have round holes in side frames, and machine bolts must be used at both "X" and "Y". Cut 3.

Cut 3.
Front Frame on Models
"A" and "B" Tractors.

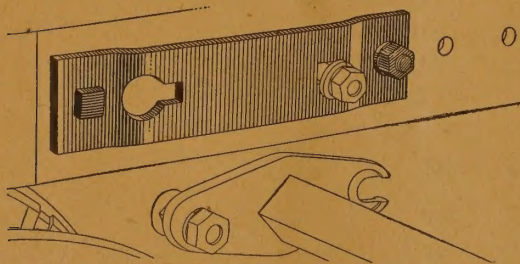


Cut 4.
Front Frame and S10767
Adapter for Model "GM"
Tractor.



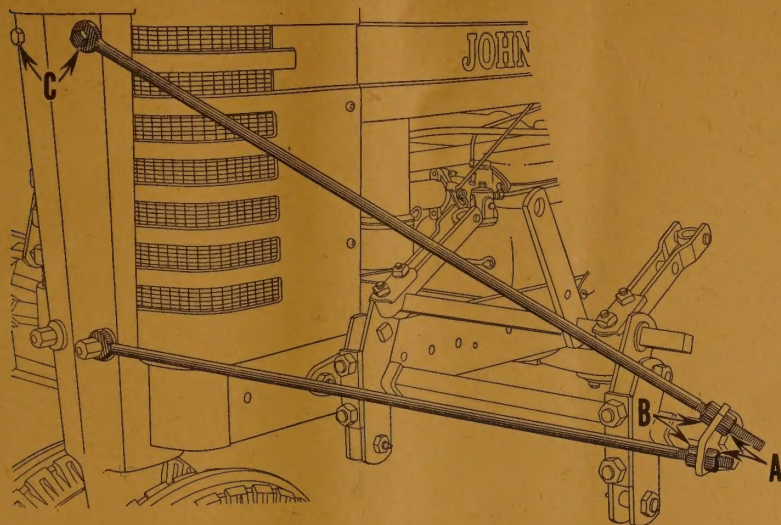
Cut 5. Model "A" Tractor Side Frame—Drill 11/16" Holes at "Y".

NOTE—On Model "A" Tractors Nos. 477,000 to 515,130 drill one 11/16" hole in each side of tractor frame 6 inches to the rear of the buttonholes before cultivator can be mounted. (See Cut 5.)



Cut 6.
Front Frame and S10766 Adapt-
er for Model "B" Tractor.

S10766 adapter (Cut 6) must be used for attaching AB200 series cultivators to Model "B" Tractors when the PH200 planting attachment or FA207 fertilizer attachment is to be mounted on cultivator. It is not necessary to remove the adapter parts when the planting attachment is removed.



Cut 7. Truss Rods.

2. Truss Rods—Models “A”, and “B” Tractors.

(a) Attach upper and lower No. 1 truss rods (Cut 7).

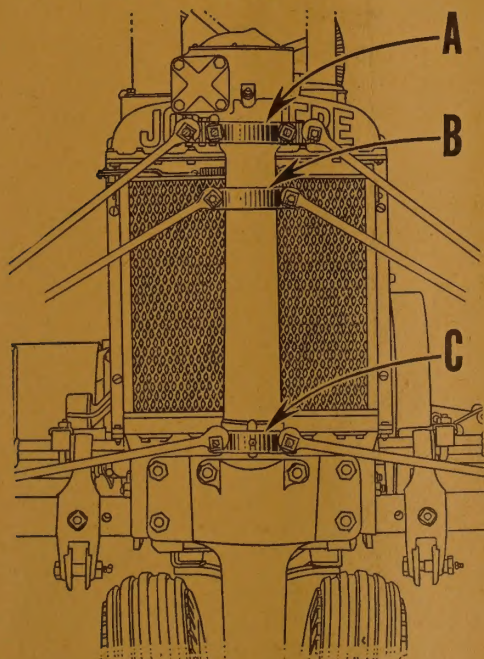
The truss rods for Models “A” and “B” Tractor cultivators have sufficient thread to permit use on either “A” or “B” Tractors. Adjust the truss rods with the four hex. nuts (A and B Cut 7) so the cultivator frame sets square and level with tractor frame.

(b) The Model “GM” Tractor requires the longer No. 2 Truss Rods.

ATTACHING TRUSS RODS TO OLDER MODEL TRACTORS

(c) S10486 adapter parts (see A and C Cut 8) are required for Model “A” tractor serial Nos. 460,000 to 477,000 and Model “G” tractor under serial No. G13,000.

(d) S10487 adapter parts (B and C Cut 8) are required for Model “B” tractor serial Nos. 42,000 to 60,000.



Cut 8.

A and C illustrates the correct location of upper and lower Truss Rods for older Models A and G Tractors.

B and C illustrates the correct location of upper and lower Truss Rods for older Model B Tractors.

Attach upper and lower truss rods, as shown in cut 8 and as instructed above in paragraphs “C” or “D”. Place one nut on each side of brackets at outer end of frame bars so truss rods will be held securely.

3. FRONT RIGS.

(a) See cut 2 for correct A, B, C and D rig positions.

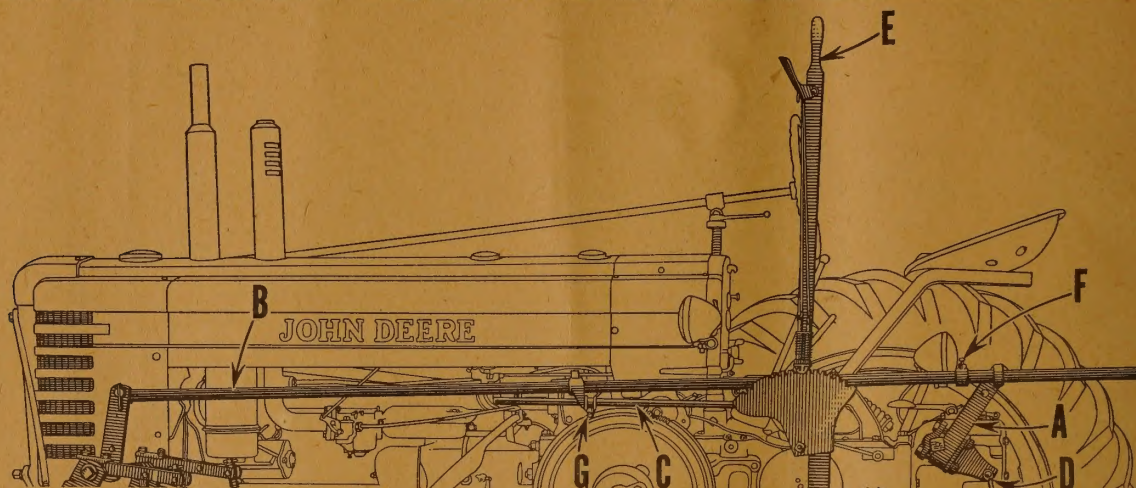
(b) Attach inside rigs first. Installation of all rigs are the same as follows:

Remove paint from fitted surfaces and apply oil. Insert bushing in end of upper rig link at (A Cut 1) and bolt securely. Attach lower rig link to hanger with coupling stud at (B Cut 1) tighten stud then loosen stud one-half turn and tighten lock nut, work the rig up and down by hand to be sure it is not too tight. Breakage may result if not properly adjusted.

(c) Insert Alemite fittings in coupling studs at (C and D Cut 1) on each rig.

(d) Attach hang up link as shown at E Cut 1.

Cut 9.

Attaching
Power Lift
Levers and
Pipes.

4. FOR POWER LIFT CULTIVATORS ONLY:

(a) Bolt lifting arms (A Cut 9) to the backside of the square rock shaft on power lift of tractor. **IMPORTANT:** Be sure the power lift on tractor is in the **down** position. This will place the square rock shaft in the correct position.

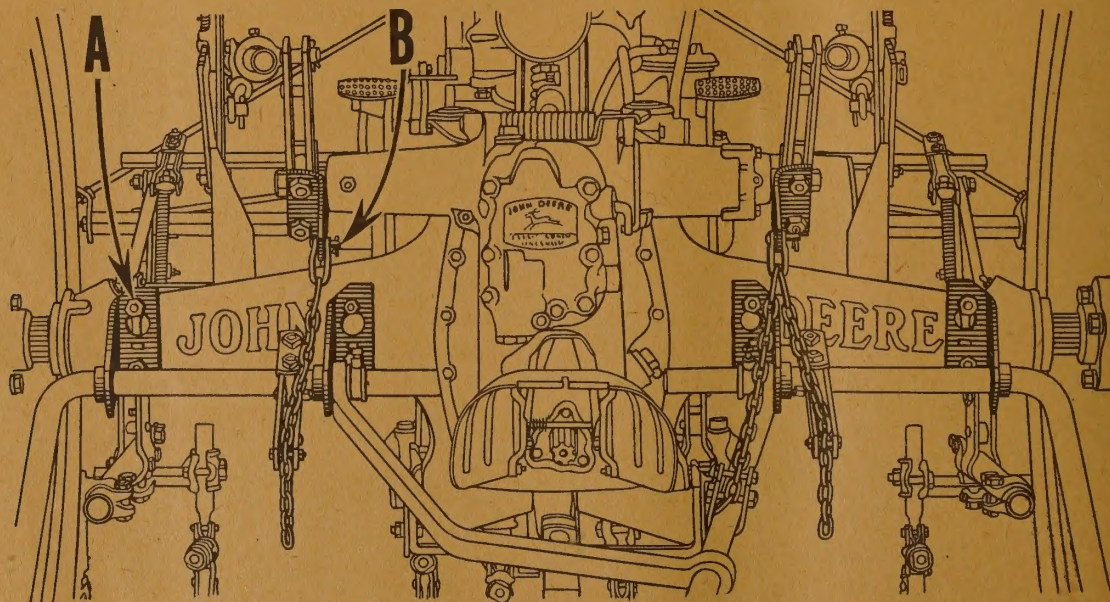
(b) Attach connecting pipes (B Cut 9) from power lift arms to front rig lifting arms.

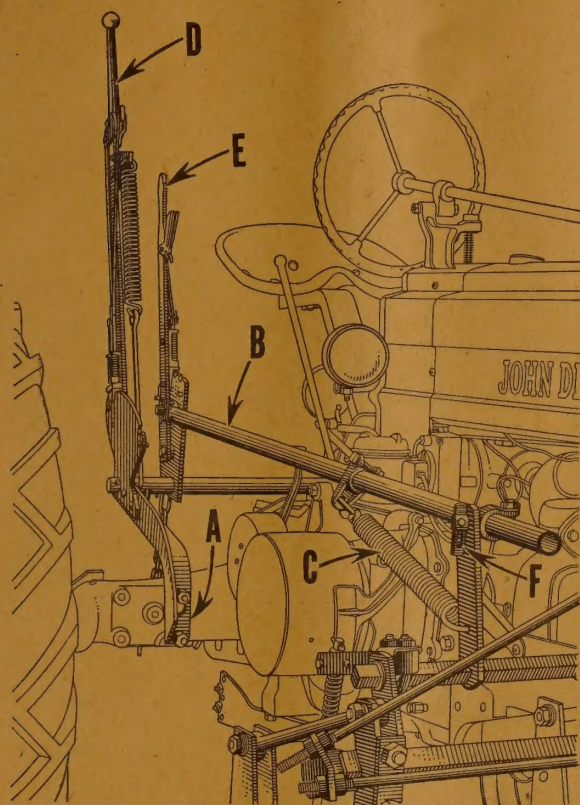
(c) Bolt lever brackets and levers to front side of rear axle housing on tractor (F cut 1). Then attach depth adjusting rods (C Cut 9) from levers to clamps on lifting pipes.

(d) Bolt rear rig bearings and rigs (except on AB201 Cultivator which does not have rear rigs) to rear of axle housing on tractor. (See A Cut 10.)

(e) Hook up lifting chains from rear rigs to power lift arms (B Cut 10). The lifting brackets on rigs should be placed close to the inner rear rig bearings, as shown in Cut 10.

Cut 10.

Attaching
Rear Rigs
to Tractor.



Cut 11.

Hand Lift Levers and Pipes.

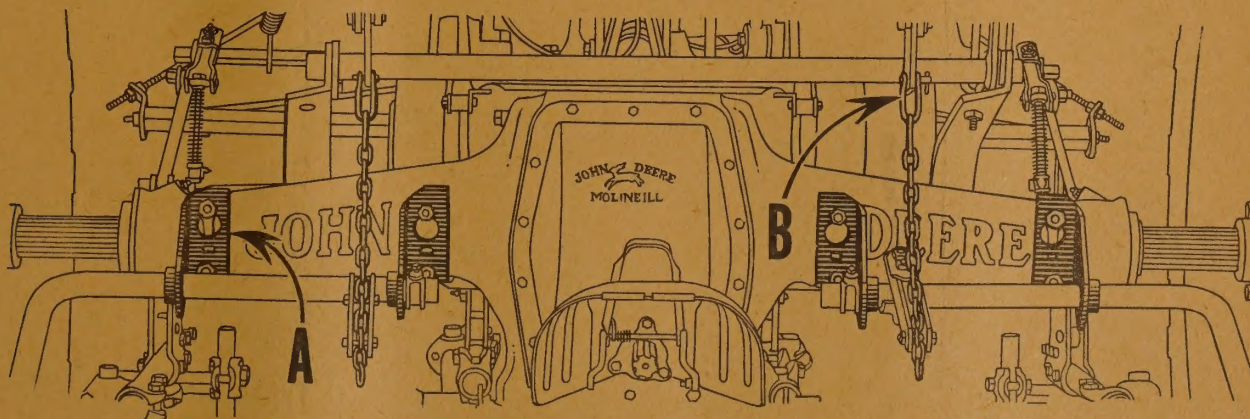
5. FOR HAND LIFT CULTIVATORS ONLY:

(a) Bolt right-hand and left-hand brackets to front side of rear axle housing, as shown in A Cut 11.

(b) Attach lifting pipes (B Cut 11) from levers to front rig lifting arms; also attach springs (C Cut 11) from brackets on pipes to lifting arms.

(c) Bolt rear rig bearings and rigs (except on AB201 Cultivator which does not have rear rigs) to rear of axle housing (See A Cut 12).

(d) Hook up lifting chains from rear rigs to lifting assembly (B Cut 12). The lifting brackets on rigs should be placed close to the inner rear rig bearings, as shown in Cut 12.



Cut 12.

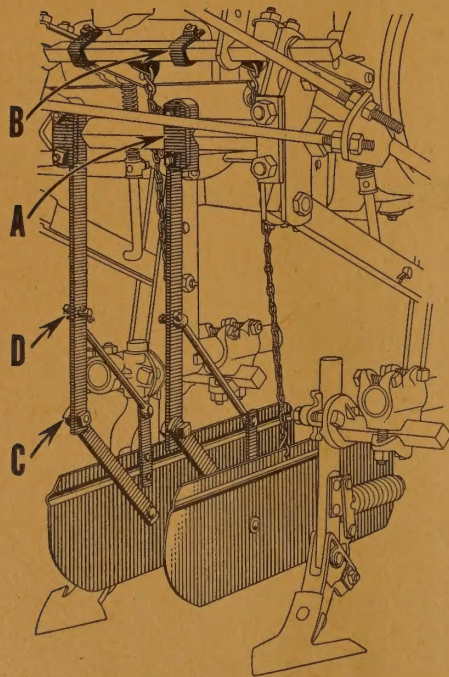
Attaching Rear Rigs to Tractor.

6. **CAUTION:** The position of the Setscrew Collar at F Cut 9 determines the height of lift of the cultivator rigs. The Collar is adjusted at the factory for the Model B Tractor. When used with Models A, GM or on Model B Tractor with adapter plates the collar must be readjusted to obtain maximum lift. But care must be used on this adjustment to prevent breakage of lift parts which might occur if collar is set too far back on pipe. The Collar at G Cut 9 which regulates the cultivation depth should also be adjusted to correspond with the setting of Collar F Cut 9.

7. Lift the rigs to the highest position. Install clamps on rig pipes and attach shanks. **NOTE: Attach the short shanks under the tractor to provide clearance for maximum lift.** Bolt shovels or sweeps to sleeve or spring teeth. Refer to overhead cuts on Pages 9 to 15 for proper setting of shanks on rigs of various types of cultivators. Adjust all shanks at uniform height. Tighten nuts securely. Sweeps should be set about one-half inch lower at the points than at the wings for proper penetration.

8. **Offset Shanks.**—With each AB200 Series Cultivator using spring trip shanks two offset spring trip shanks are furnished. These offset shanks can be used in any position on the rigs and on either side of the rig pipe. Install the offset shanks on the front end of the "A" and "B" Rigs with the offset turned in for narrow rows. Install on front end of "C" and "D" Rigs turned out for wide rows.

9. Attach shields. (See A and B Cut 13.) **The smooth side of the shields should be placed next to the shovels, as shown in cut.**



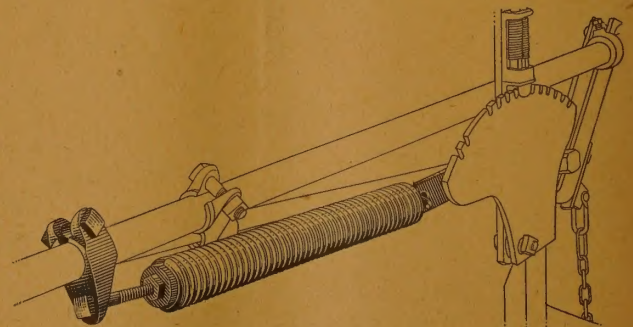
Cut 13. Shields.

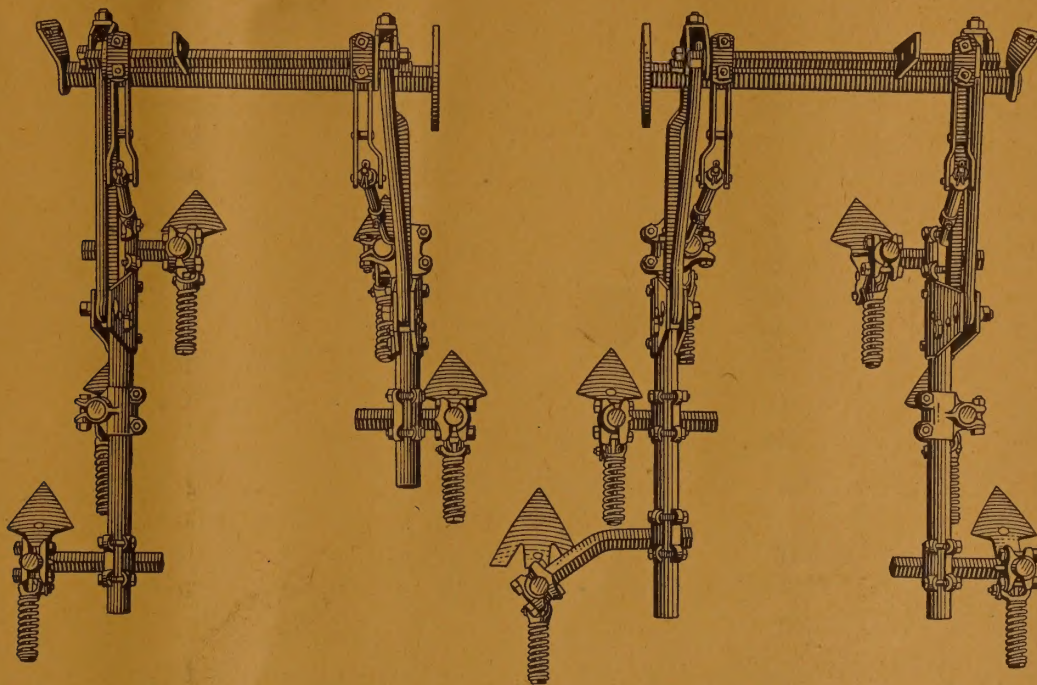
10. Be sure all nuts are tight, cotter keys spread and all moving joints thoroughly oiled. Then lift the cultivator slowly the first time, checking to see that no parts bind and that everything works properly.

11. Now turn to Page 16 and read the instructions on operating and adjusting these cultivators.

NOTICE: Fenders can be used on the tractor with the AB200 Series cultivators.

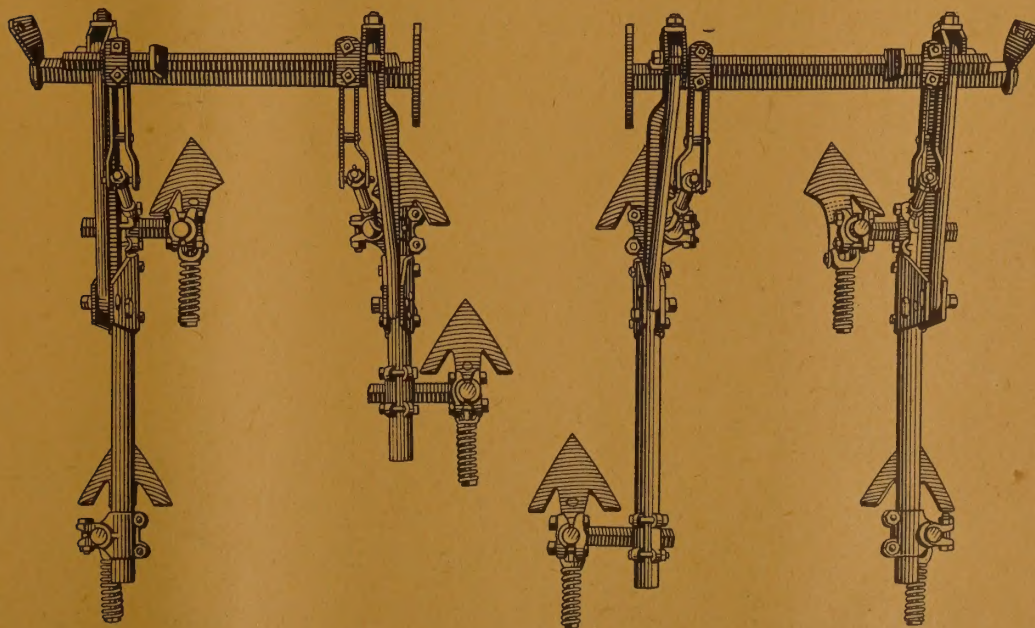
The front rig penetrationsprings are regular on the AB214 Cultivator but cannot be used on all Power Lift Cultivators. Install the straps between the levers and depth adjusting rods (see cut). Place medium tension on the springs with cultivator in the DOWN or working position.



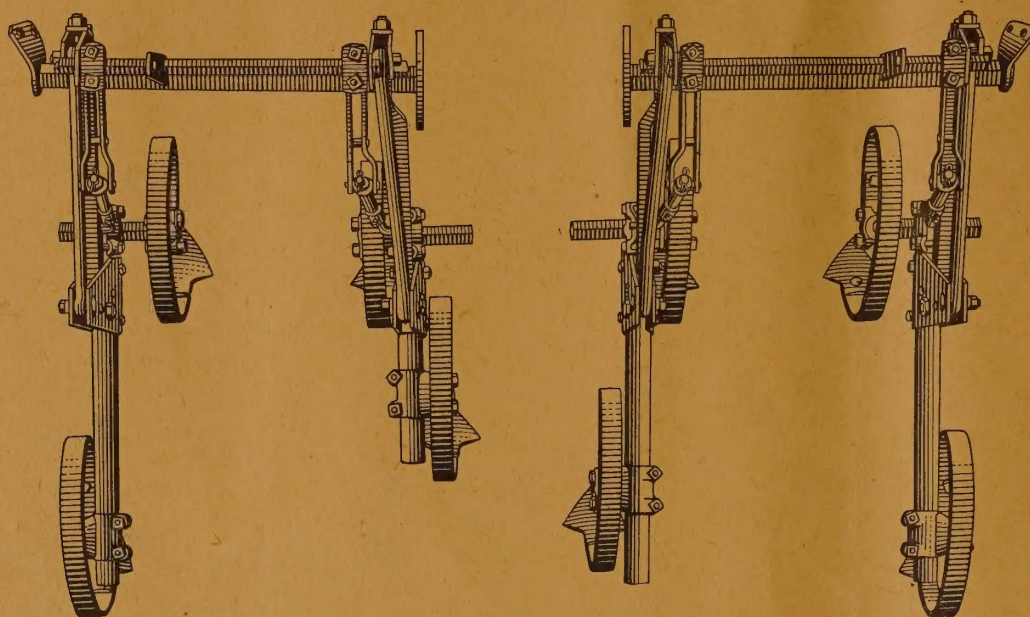


Cut 14. Front Section of AB201 Cultivator. Set for 40' Rows.

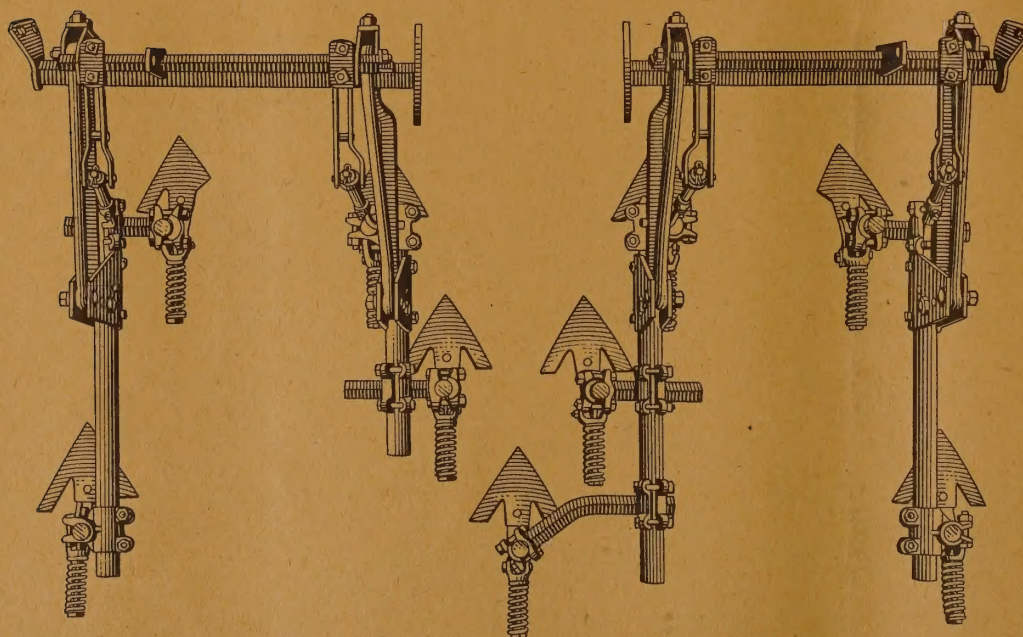
NOTE—This cut shows setting of rear clamps as used on "B" Tractor less the adapter plates. When used on "B" and "GM" Tractors with adapter plates move the clamps to the end of rig pipes to give more fore and aft clearance between shanks.



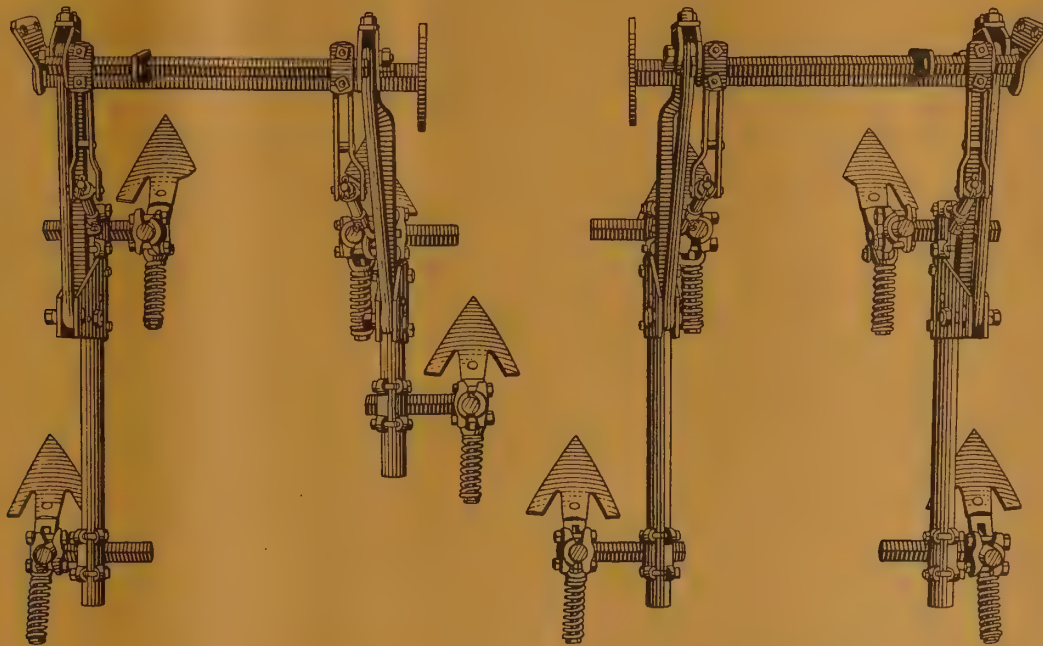
Cut 15. Front Section of AB202 and AB208 Cultivators. Set for 36' Rows.



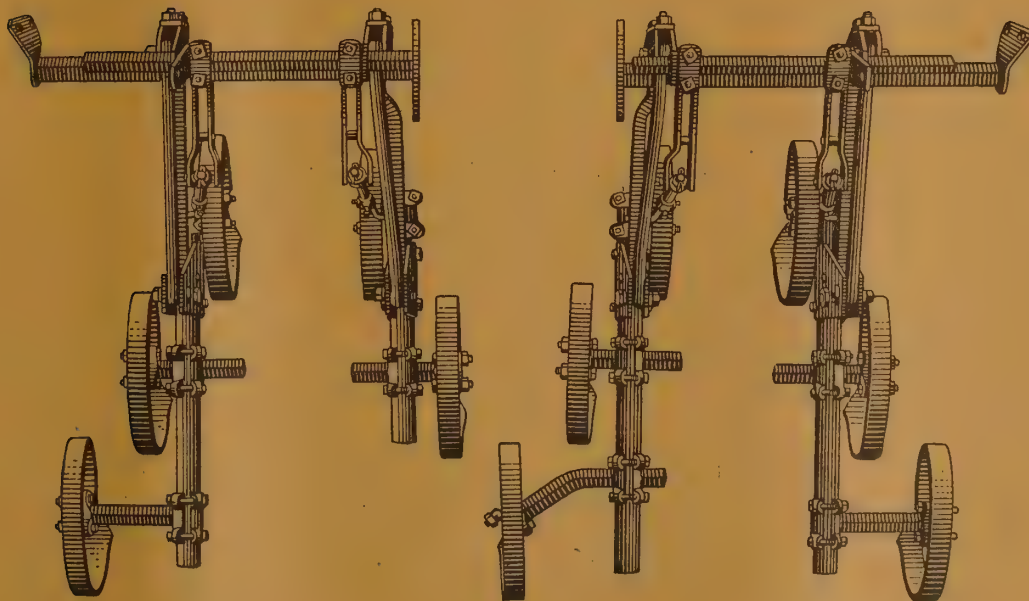
Cut 16. Front Section of AB204 Cultivator. Set for 40'' Rows.



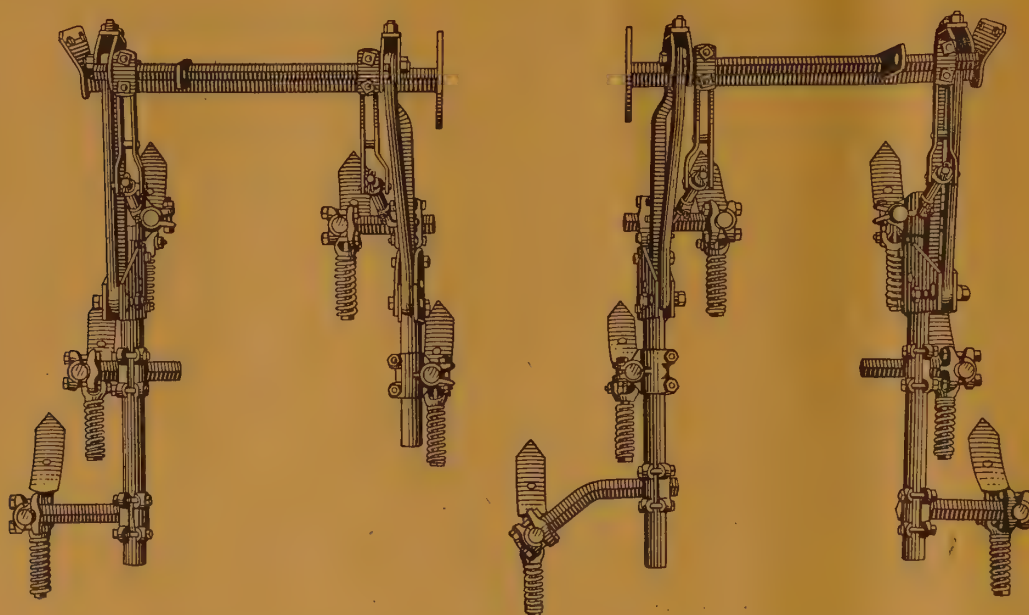
Cut 17. Front Section of AB207 Cultivator. Set for 40'' Rows.



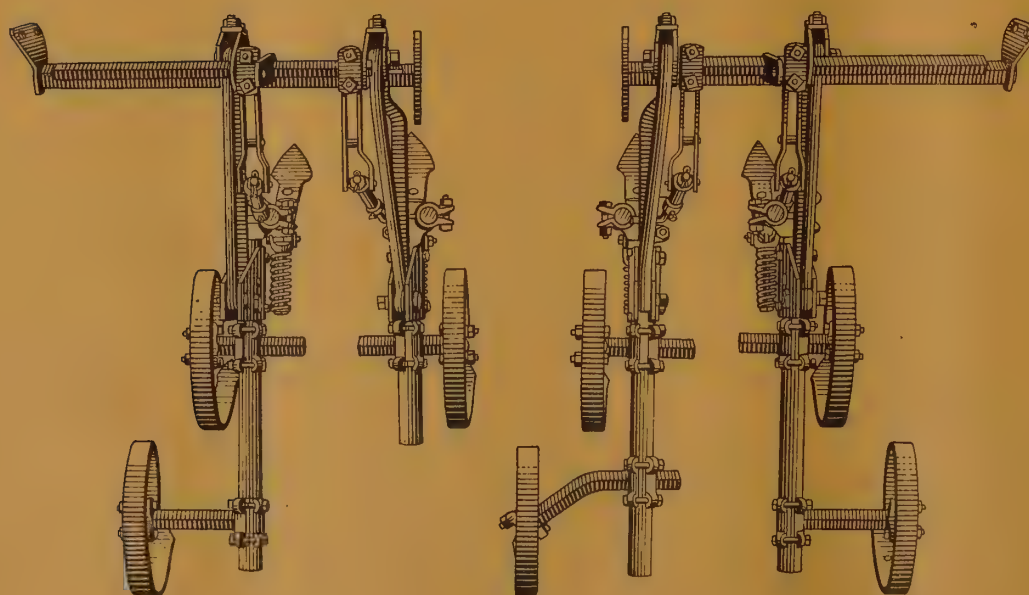
Cut 18. Front Section of AB212 Cultivator. Set for 42" Rows.



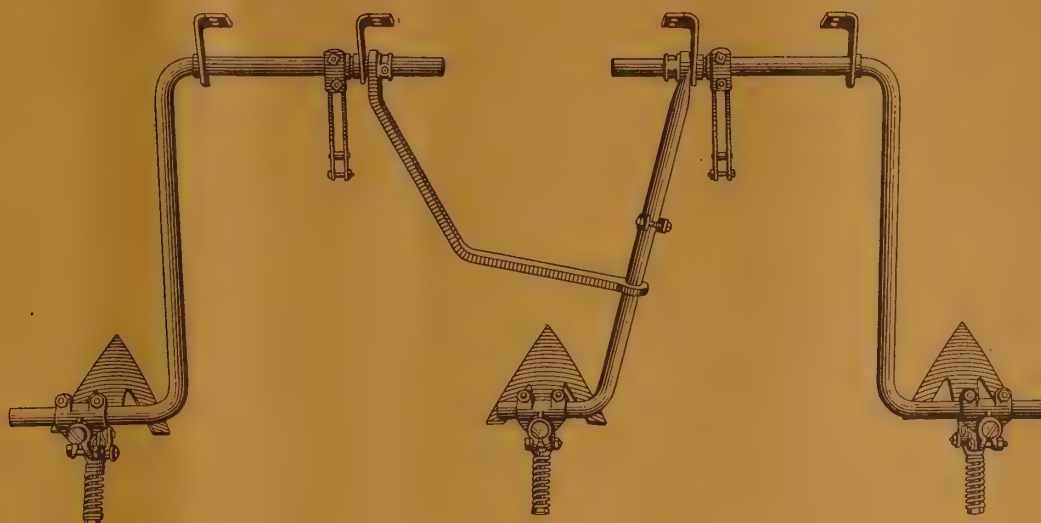
Cut 19. Front Section of AB214 Cultivator. Set for 34" Rows.



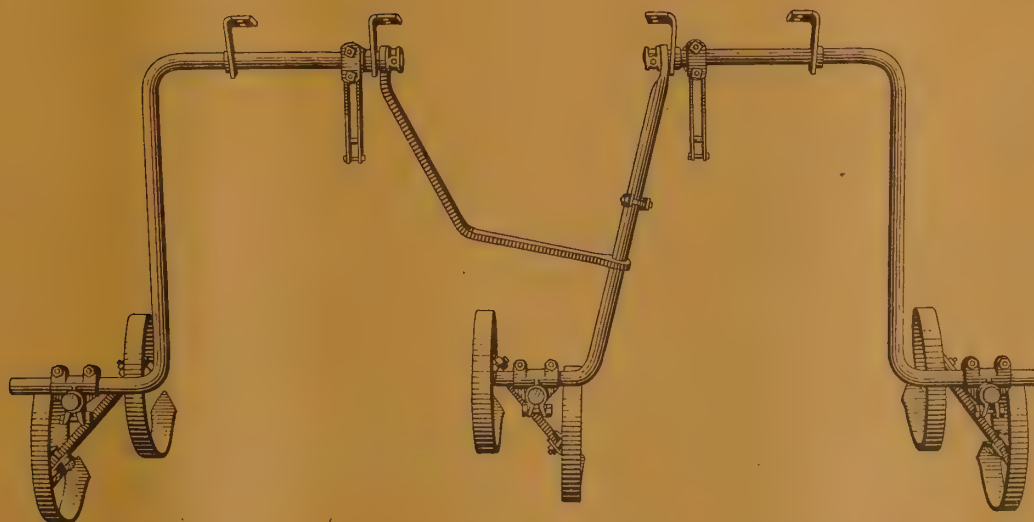
Cut 20. Front Section of AB216 Cultivator. Set for 48" Rows.



Cut 21. Front Section of AB218 Cultivator. Set for 28" Rows.



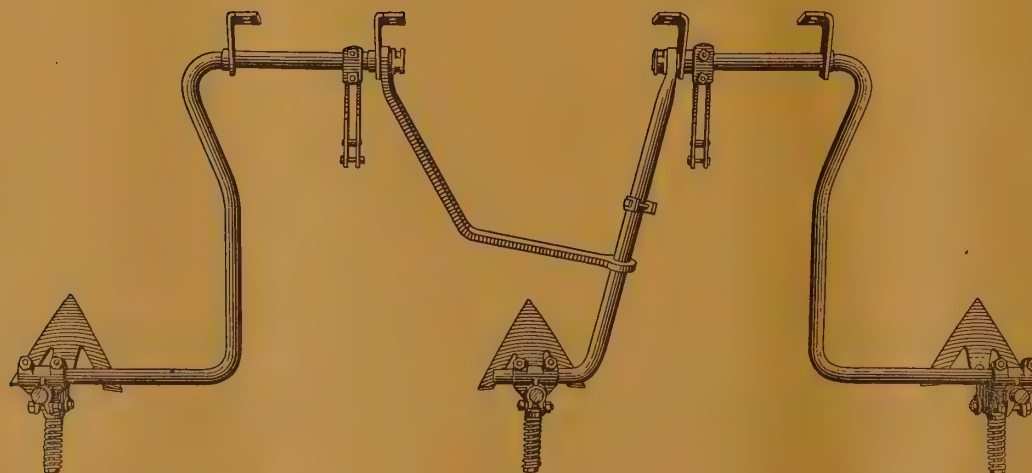
Cut 22. Rear Rigs for AB202 Cultivator. Set for 36" Rows.



Cut 23. Rear Rigs for AB204 and AB208 Cultivators. Set for 40" Rows.



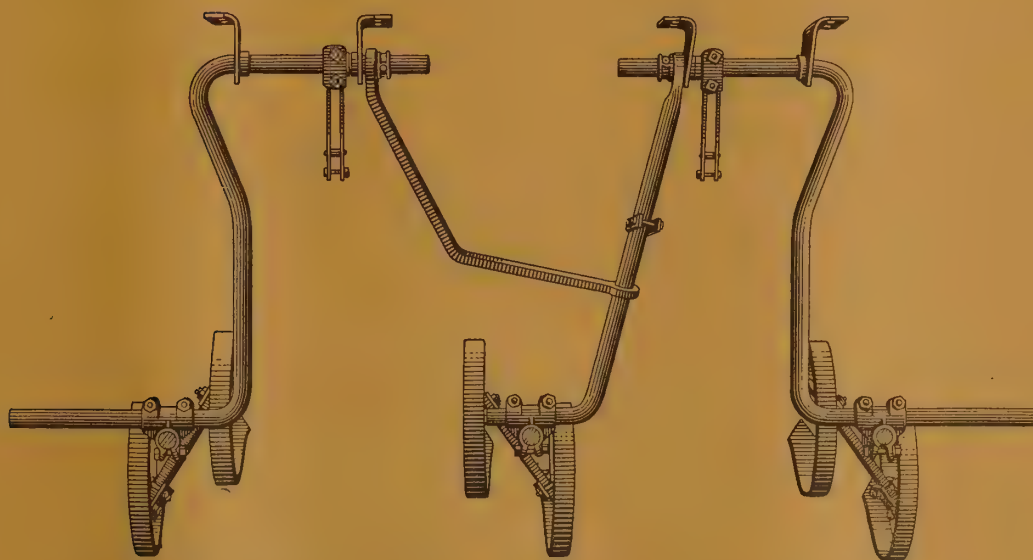
Cut 24. Rear Rigs for AB207 Cultivator. Set for 40' Rows.



Cut 25. Rear Rigs for AB212 Cultivator. Set for 42' Rows.



Cut 26. Rear Rigs for AB214 and AB216 Cultivators. Set for 48" Rows.



Cut 27. Rear Rigs for AB218 Cultivator. Set for 28" Rows.

To Operate and Adjust

SHOVELS AND SWEEPS.—Remove varnish from shovels and sweeps to obtain a quick polish. Be sure shovels or sweeps are at a uniform height to insure even cultivation.

HAND LIFT CULTIVATORS.—The long lever on the right hand side (D, Cut 11) raises or lowers the front and rear rigs. The dogs on the lever automatically release and enter the notch on the ratchet as the lever is moved to position. The tension on the lifting springs on each pipe at the front and on the lever can be adjusted to assist the operator in raising and lowering the rigs.

POWER LIFT CULTIVATORS.—The front and rear rigs are raised and lowered by the power lift on the tractor.

DEPTH ADJUSTMENT.—The levers (E Cut 9 and E Cut 11) control the depth at which the front rigs operate. The depth of the rear rigs are controlled by the lifting chains at the rear (G Cut 1) by inserting bolt at lower end in proper chain link.

FOR POINT ROWS.—The two notches in the front end of the ratchet for the hand adjusting levers on power lift cultivators are provided so that either side of the cultivator can be raised for working point rows.

LEVELING AND TILTING THE FRONT RIGS.—Each front rig lifting rod is provided with a threaded adjustment (E Cut 1). Adjust so that all rigs operate at the same level. Tilt the rigs up or down with slotted adjustment at (H Cut 1).

SPRING TRIPS.—Each spring trip should be tripped before starting cultivator to give assurance that they will function properly. The tension on the spring trips may be adjusted with the nut ("I" Cut 1) at the rear end of the spring. If additional adjustment is required, this may be procured with the setscrew which is just below the spring. However, this is a factory adjustment and rarely requires changing. One-half to one turn of the setscrew makes a big difference in the action of the trip. To make the trip hold tighter, turn the setscrew out; to make the trip release more easily, turn the setscrew in a little.

SHIELDS.—Shield arms may be attached either ahead of the frame bar (as shown in "A" Cut 13) or behind, depending on the fore-and-aft setting of the shield desired. **The smooth side of the shield should be toward the shovels** so dirt and trash will not catch on the straps of shields.

Shields may be adjusted for side play at ("C" Cut 13). If a rigid shield is desired, screw bolt up tight then back off 1/2 turn and tighten locknut. If a swinging shield is wanted, loosen bolt until shield swings freely and tighten lock nut.

Level shields by adjusting the threaded eyebolt at ("D" Cut 13).

Adjust height of shields with chain.

ROW SPACING.—The front rigs when shipped from factory are set on frame bars for 40" rows. See table on Page 3 for different row spacings for which rigs can be set.

NOTE: When moving rig hangers on frame bars for different width rows be sure both sides of cultivator are set exactly alike.

Set front shovels in or out by adjusting crosshead at ("J" Cut 1) to distance desired from row.

Rear rigs are adjustable in or out in the bearings. When making this change, shift the lifting brackets to conform. Shanks are also adjustable in or out on the rear rigs.

PRESSURE SPRINGS.—Tension on the pressure springs attached to the lifting pipes, and the pressure springs on the rear rigs should be adjusted when the cultivator is in the ground in working position. Put only enough tension on these springs to keep the shovels down to work. Too much tension may result in lifting difficulties.

LUBRICATION.—Use Alemite Gun twice daily on fittings located at ("C" and "D" Cut 1) on each rig.

Oil all joints and moving parts twice daily.

Oil all spring trip parts once every day.

Before starting in the field check over the entire cultivator, and make sure all nuts are tight and cotter keys spread.

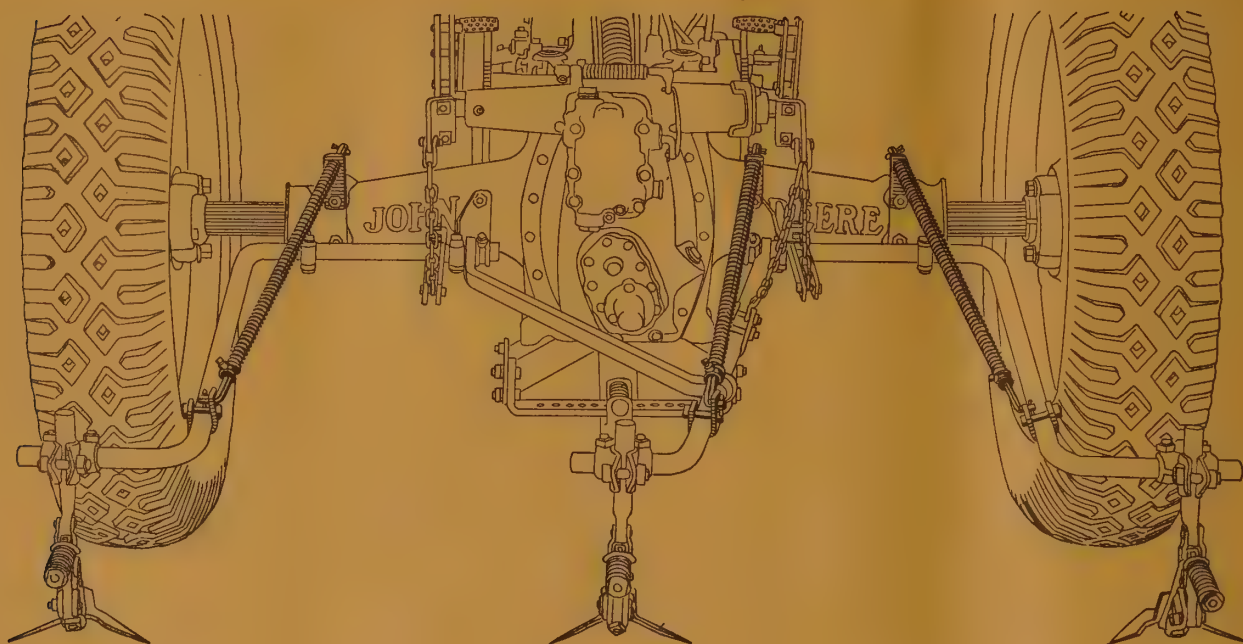
TRACTOR TIRE INFLATION PRESSURES: The tractor tire inflation pressures set up in the tractor instruction book will apply.

DETACHING CULTIVATOR FROM TRACTOR.—Once the cultivator has been assembled on the tractor, it may be quickly and easily detached without disturbing any of the field adjustments.

When removing the cultivator it is necessary to take out only the four bolts which fasten the frame bars to the tractor. These bolts have hexagon nuts which fit the regular wrench furnished with the tractor. If tractor has buttonholes, simply loosen the nuts on the bolts, as shown in Cut 3.

The truss rods, lever assemblies and rear rigs may be detached by simply loosening the large hexagon nuts on studs in the tractor. The cap screws at "C" Cut 7, should be left in the tractor when cultivator is removed.

The collars at the front end of lifting pipes are equipped with a slotted key, permitting quick and easy removal of the pipes from the lifting arms, no tools being required. (See "F" Cut 11.)

SPECIAL EQUIPMENT—Furnished on Orders**Cut 28.**

**Pressure Spring Attachment consisting of one Spring for Each Rear Rig—
For use in very hard ground. Can be used on Power Lift Cultivators only.**

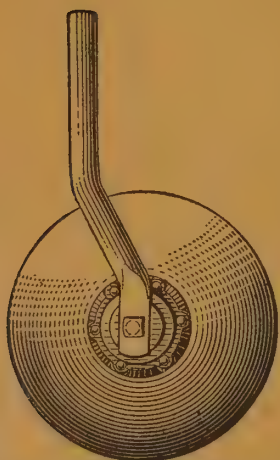
DISK HILLERS**No. 8A—12" DISKS****No. 12A—14" DISKS**

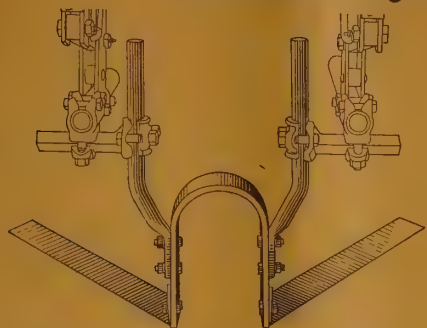
Disk Hillers are attachable to any cultivator in the AB200 Series. They are used next to the rows in place of shovel shanks or spring teeth. One pair (one right-hand and one left-hand) required for each row.

When attached, the shank should be cranked forward, or in other words the hub bearing should be ahead of the clamp which holds the shank at the upper end. This setting provides greater clearance and a larger range of adjustment.

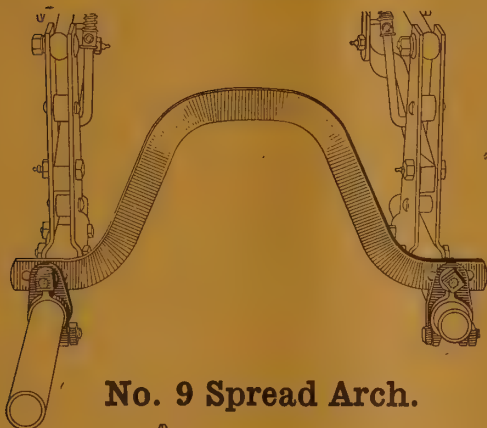
Additional lateral adjustment can be obtained by using cross heads for attaching the Disk shanks at the front end of cultivator rig pipes.

The disks may be set for hilling (throwing dirt toward the plant row), or for barring off (throwing dirt away from the row).

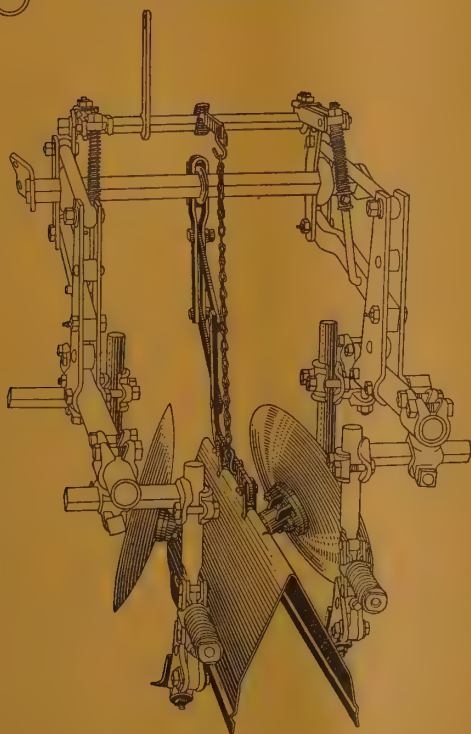
**No. 8A Disk Hiller.**

SPECIAL EQUIPMENT—Furnished on Orders—Continued**No. 1 Knife Attachment.****No. 1 KNIFE ATTACHMENT**

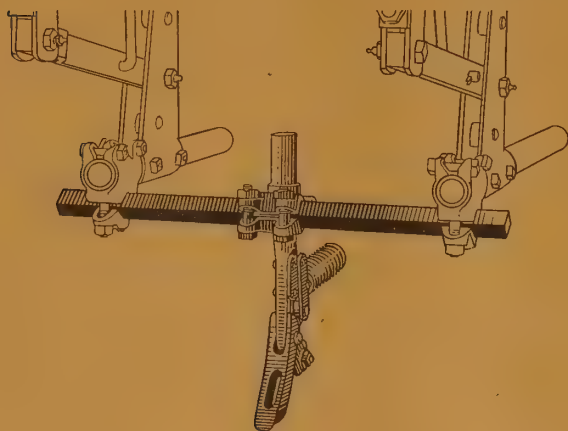
Adaptable to any two- or four-row tractor cultivator rigs. Special penetration springs for this attachment are available for difficult conditions when ordered.

**No. 9 Spread Arch.****No. 9 SPREAD ARCH**

Adaptable to any two- or four-row tractor cultivator rigs. This attachment is desirable for use in throwing up beds with Nos. 8A or 12A Disk Hillers. It prevents rigs from spreading apart.

**Listed Corn Cultivating Attachment.****LISTED CORN CULTIVATING ATTACHMENT**

Adaptable to any two- or four-row tractor cultivator for listed corn.



No. 12 Spread Bar.

No. 12 SPREAD BAR

Used in connection with planting attachments.

No. 1 CENTER ATTACHMENT

The No. 1 Center Attachment is available for converting the row type Cultivator to the field type for use in open fields. This attachment is clamped to the pipe of the "C" and "D" Rigs back of the second shovel. The cross arm is adjustable and should be positioned so the shovel of the center attachment cuts out the center left between the two front shovels.

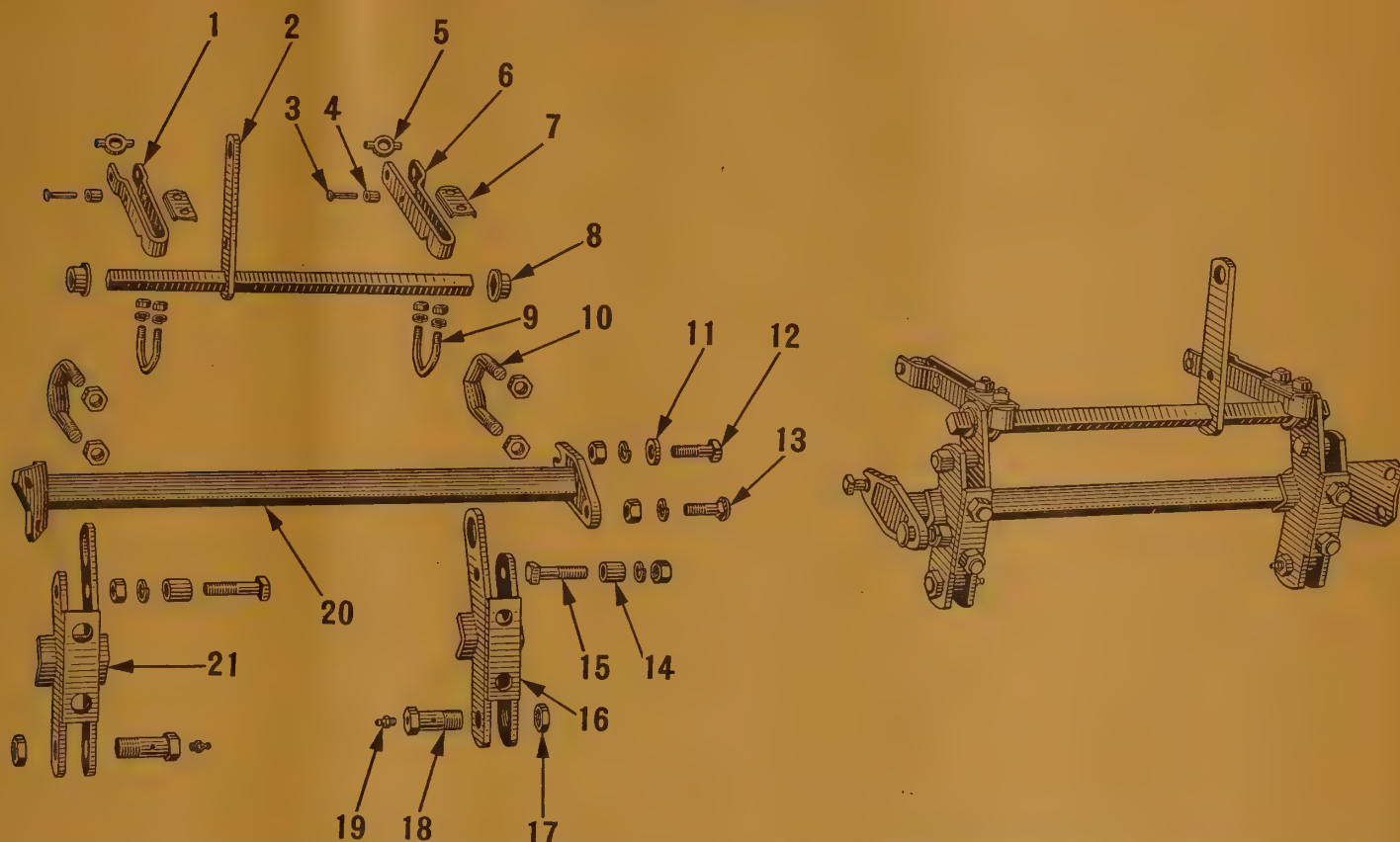
No. 1 SPRING TOOTH ATTACHMENT

This attachment is used for the cultivation of cotton beds in the southern territories.

No.	SHIPPING BUNDLES	CULTIVATORS								
		AB 201	AB 202	AB 204	AB 207	AB 208	AB 212	AB 214	AB 216	AB 218
	Front Frame, Right Side	1	1	1	1	1	1	1	1	1
	Front Frame, Left Side	1	1	1	1	1	1	1	1	1
No. 1	Truss Rod Bundle	1	1	1	1	1	1	1	1	1
No. 10	Power Lift Levers	1	1	1	1	1	1	1	1	1
No. 10	Power Lift Pipes	1	1	1	1	1	1	1	1	1
No. 10	Power Lift Arms	1	1	1	1	1	1	1	1	1
No. 11	Hand Lift Levers	1	1	1	1	1	1	1	1	1
No. 11	Hand Lift Pipes	1	1	1	1	1	1	1	1	1
No. 3	Hand Lift Pipes for "GM" Tractor	1	1	1	1	1	1	1	1	1
No. 108	Shields (Pairs)	2	2	2	2	2	2	2	2	2
	Penetration Springs for Front Rigs						1			
	Canvas Bag Containing Alemite Fittings	1	1	1	1	1	1	1	1	1
	Shovels or Sweeps as ordered	11	11	14	13	14	11	15	15	17
	Front Rigs									
No. 1-A	Inside Rig, Left Side	1	1	1	1	1	1	1	1	1
No. 1-B	Inside Rig, Right Side	1	1	1	1	1	1	1	1	1
No. 1-C	Outside Rig, Left Side	1	1	1	1	1	1	1	1	1
No. 1-D	Outside Rig, Right Side	1	1	1	1	1	1	1	1	1
	Rear Rigs									
B1-R	Center Rig		1	1		1	1			1
B1-S	Left Side Rig		1	1	1	1				1
B1-T	Right Side Rig		1	1	1	1				1
B2-S	Left Side Rig						1	1	1	
B2-T	Right Side Rig						1	1	1	
	Shank Clamp Bundles for Rigs									
No. 14	Stub Beam Bundle (2 Stub Beams for Rear Rigs)				1			1	1	
No. 15	Stub Beam Bundle (3 Stub Beams for Rear Rigs)			1		1				1
No. 16	Shank Bundle (2—1-3/8" Shanks)		2		2	2	2			1
No. 17	Shank Bundle (3 Spring Trip Shanks—1-3/8")	2	1				1		2	
No. 18	Shank Bundle (4 Spring Trip Shanks—1-1/8" Special)								1	
No. 20	Shank Bundle (4 Single Spring Teeth)				1			3	1	1
No. 21	Shank Bundle (6 Single Spring Teeth)			1		1				1
No. 22	Shank Bundle (2 Double Spring Teeth)			4						
No. 25	Shank Bundle (2 Spring Trip Shanks)		1			1	1			
No. 29	Shank Bundle (3 Single Spring Teeth)							1		1
No. 38	Clamp Bundle (1 Clamp)	1	1		1	1			1	1
No. 49	Clamp Bundle (4 Shank Clamps)			1				1		
No. 63	Crosshead Bundle (4 Crossarms and Clamps)	1	1	1	1	1	2	1	1	1
No. 64	Crosshead Bundle (2 Crossarms and Clamps)	1						1	1	1
No. 65	Shank Bundles (3 Spring Trip Shanks)	1			1				1	
No. 66	Shank Bundles (2 Spring Trip Shanks) R. H. and L. H.	1	1		1	1	1		1	1
No. 67	Crosshead Bundle (1 Crosshead and Clamp)	1			1			1	1	1
	Special Equipment									
S10486	Truss Rod Adapter Parts (For "A" Tractors under No. 477,000)	1	1	1	1	1	1	1	1	1
S10487	Truss Rod Adapter Parts (For "B" Tractors Nos. 42,000 to 60,000)	1	1	1	1	1	1	1	1	1
S10766	Adapter Plate Bundle for PH200 Planting Attachment on "B" Tractor	1	1	1	1	1	1	1	1	1
S10767	Adapter Plate Bundle for "GM" Tractor	1	1	1	1	1	1	1	1	1
No. 2	Truss Rod Bundle for "GM" Tractor	1	1	1	1	1	1	1	1	1
No. 8A	Disk Hillers (Pairs)	2	2	2	2	2	2	2	2	2
No. 12A	Disk Hillers (Pairs)	2	2	2	2	2	2	2	2	2
	Spring Pressure Rods for Rear Rigs		1	1		1	1			1
No. 102	Rotary Hoe Shield (Pair)	2	2		2	2	2		2	2
No. 9	Spread Arch	2	2	2	2	2	2	2	2	2
No. 12	Spread Bar Bundle	1	1	1	1	1	1	1	1	1
No. 28	Clamp Bundles (4 Clamps) used with No. 193 Spring Tooth Att.	1	1	1	1	1	1	1	1	1

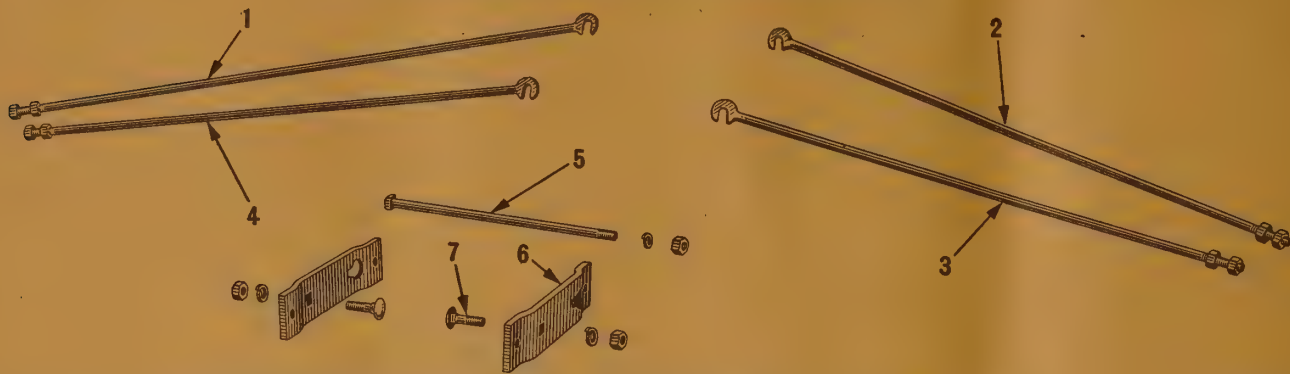
No.	SHIPPING BUNDLES	CULTIVATORS								
		AB 201	AB 202	AB 204	AB 207	AB 208	AB 212	AB 214	AB 216	AB 218
	Special Equipment—Continued									
.....	Listed Corn Attachment.....	1	1	....	1	1	1	....	1	....
.....	Fertilizer Attachment.....	1	1	....	1	1	1	....	1	1
.....	Planting Attachment.....	1	1	1	1	1	1	1	1	1
No. 1	Knife Attachment.....	1	1	....	1	1	1	....	1	....
No. 1	Center Attachment (Nos. 22 and 27 Bundles and 2—Y786 Shovels).....			1	....	....	....	....	....	....
No. 1	Spring Tooth Attachment (Nos. 14 and 20) Bundles and Sets No. 382 Shovels.....		1	....	....	....	....	....	....	....
No. 52	Shank Bundle (2 Spring Trip Shanks).....		2	....	2	2	2	....	....	1
No. 53	Shank Bundle (3 Spring Trip Shanks).....	2	1	....	....	....	1	....	2	....

FRONT FRAME



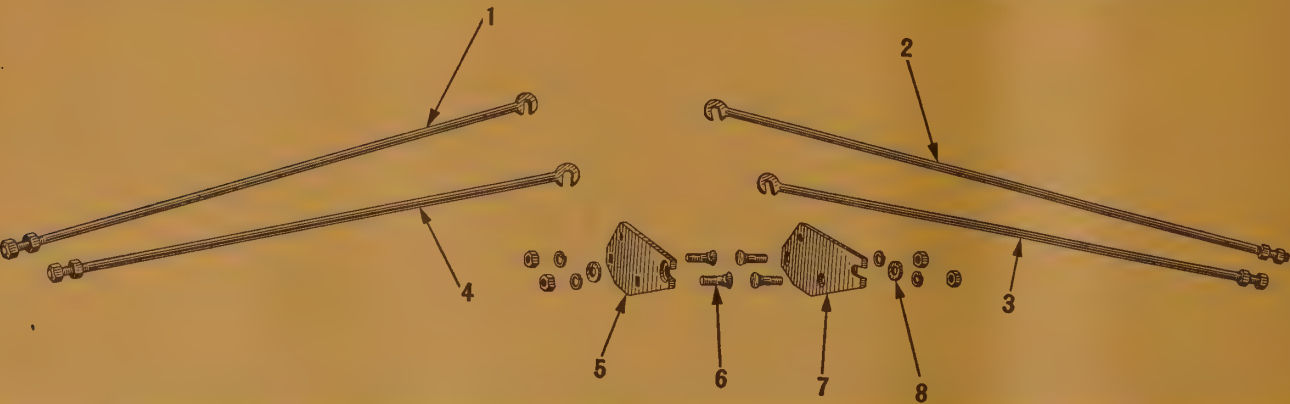
Ref. No.	Part No.	DESCRIPTION	PIECES USED	
			Right Side	Left Side
1	21878 A	Rig Lift Arm—Outside.....	1	1
2	27214 A	Front Lift Bar.....	1	1
3		1-3/8 x 3/8" O. H. Rivet.....	2	2
4	15925 A	Spreader in Rig Lift Arms.....	2	2
5	E977 A	Rig Lift Arm Swivel.....	2	2
6	27215 A	Rig Lift Arm—Inside R. H.....	1	
	27216 A	Rig Lift Arm—Inside L. H.....		1
7	19048 A	Cap for Rig Lift Arm.....	2	2
8	F638 A	Bushing for Rig Hanger.....	2	2
9	21902 A	Rig Lift Arm Clip with 1/2" Nuts and L. W.....	2	2
10	27039 A	Rig Hanger Clip with 3/4" Heavy Hex. Nuts.....	2	2
11	15353 A	Washer on Front Frame Bar.....	1	1
12		5/8 x 2-1/4" Mach. Bolt with 5/8" Heavy Hex. Nut and L. W.....	1	1
13		5/8 x 2" Cge. Bolt with 5/8" Heavy Hex. Nut and L. W.....	1	1
14	27047 A	Bushing in Upper Rig Link.....	2	2
15		5/8 x 2-1/2" Mach. Bolt with 5/8" Heavy Hex. Nut and L. W.....	2	2
16	27211 A	Rig Hanger, L. H. Outside and R. H. Inside.....	1	1
17		7/8" Hex. Jam Nut, S. A. E. Thread.....	2	2
18	27046 A	Rig Coupling Stud.....	2	2
19	JD7759	Alemite Fittings.....	4	4
20	27207 A	Front Frame Bar, R. H.....	1	
	27208 A	Front Frame Bar, L. H.....		1
21	27210 A	Rig Hanger, R. H. Outside and L. H. Inside.....	1	1

No. 1 TRUSS RODS FOR "A" AND "B" TRACTOR AND S10766 ADAPTER FOR "B" TRACTOR



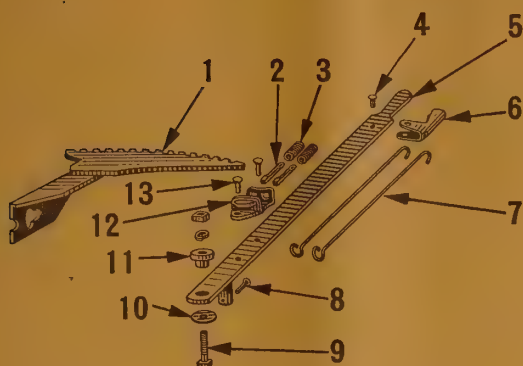
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	27218 A	Upper Truss Rod L. H. with 2/ Hex. Nuts.....	1
2	27217 A	Upper Truss Rod R. H. with 2/ Hex. Nuts.....	1
3	27219 A	Lower Truss Rod R. H. with 2/ Hex. Nuts.....	1
4	27220 A	Lower Truss Rod L. H. with 2/ Hex. Nuts.....	1
5	21901 A	Adapter Plate Tie Bolt w/ 5/8" Hex. Nut and L. W.....	1
6	27500 A	Adapter Plate.....	2
7	.....	5/8 x 2" Cge. Bolt w/ Hex. Nut and L. W.....	2

No. 2 TRUSS RODS AND S10767 ADAPTER FOR "GM" TRACTOR



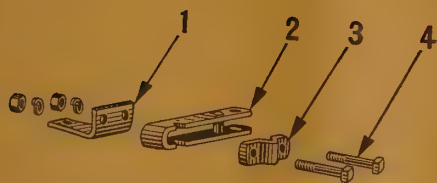
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	27516 A	Upper Truss Rod L. H. w/ 2/ Hex. Nuts.....	1
2	27515 A	Upper Truss Rod R. H. w/ 2/ Hex. Nuts.....	1
3	27517 A	Lower Truss Rod R. H. w/ 2/ Hex. Nuts.....	1
4	27518 A	Lower Truss Rod L. H. w/ 2/ Hex. Nuts.....	1
5	27514 A	Adapter Plate, L. H.....	1
6	.....	5/8 x 2" Sq. Nk. Plow Bolt w/ Hex. Nut and L. W.....	4
7	27513 A	Adapter Plate, R. H.....	1
8	15353 A	Washer for Adapter Plate.....	2

No. 10 POWER LIFT LEVERS



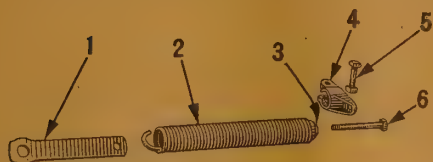
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	27168 A	Ratchet, R. H.....	1
	27169 A	Ratchet, L. H.....	1
2	11780 A	Dog.....	2
3	1293 A	Spring for Dog.....	2
4		3/4 x 5/16" O. H. Rivet.....	1
5	27171 A	Lever.....	1
6	11781 A	Hand Catch.....	1
7	16423 A	Dog Rod.....	2
8		1-1/2 x 1/4 Cotter.....	1
9		1/2 x 1-3/4 Mach. Bolt with L. W.....	1
10		1-1/2 x 9/16" No. 12 Washer.....	1
11	E729 A	Bushing.....	1
12	K327 A	Dog Box.....	1
13		1 x 5/16" F. C. H. Rivet.....	2

No. 10 POWER LIFT ARMS



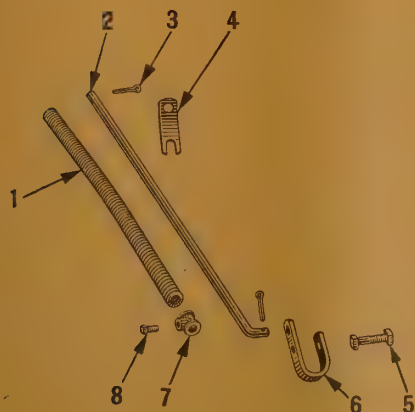
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	22184 A	Arm Plate.....	1
2	27172 A	Arm with 15925 A and 1-7/8 x 7/16" O. H. Rivet.....	1
3	27568 A	Cap for Arm.....	1
4	67 Bolt	Bolt w/ Hex. Nut and L. W.....	2

PENETRATION SPRINGS FOR FRONT RIGS—POWER LIFT CULTIVATOR

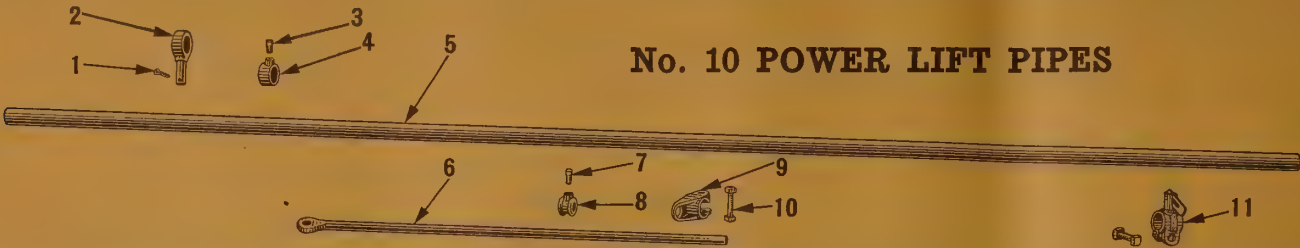


Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	22670 A	Spring Strap.....	1
2	22196 A	Spring.....	1
3	M872 A	Nut for 22196 A.....	1
4	E982 A	Adjusting Collar.....	1
5		1/2 x 2-1/4 Mach. Bolt.....	1
6	72 Bolt	1/2 x 4-1/2 Mach. Bolt less Nut.....	1

SPRING PRESSURE RODS FOR REAR RIGS

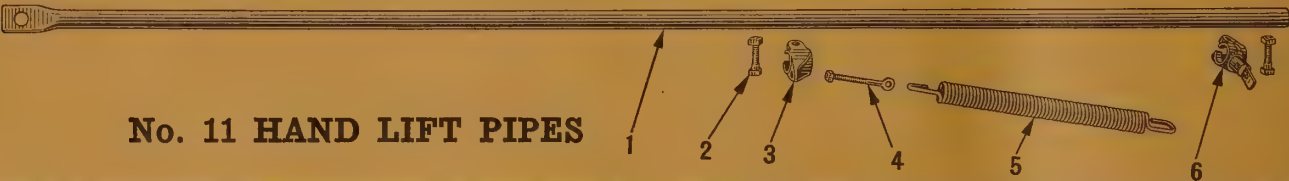


Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	22371 A	Spring.....	1
2	22372 A	Rod.....	1
3		1-1/4 x 1/4" Cotter.....	2
4	22373 A	Post.....	1
5		1/2 x 2-1/2 Mach. Bolt.....	1
6	22374 A	Clamp.....	1
7	E394 A	Setscrew Collar.....	1
8		3/4 x 7/16" No. 14 Cup Point Setscrew.....	1



No. 10 POWER LIFT PIPES

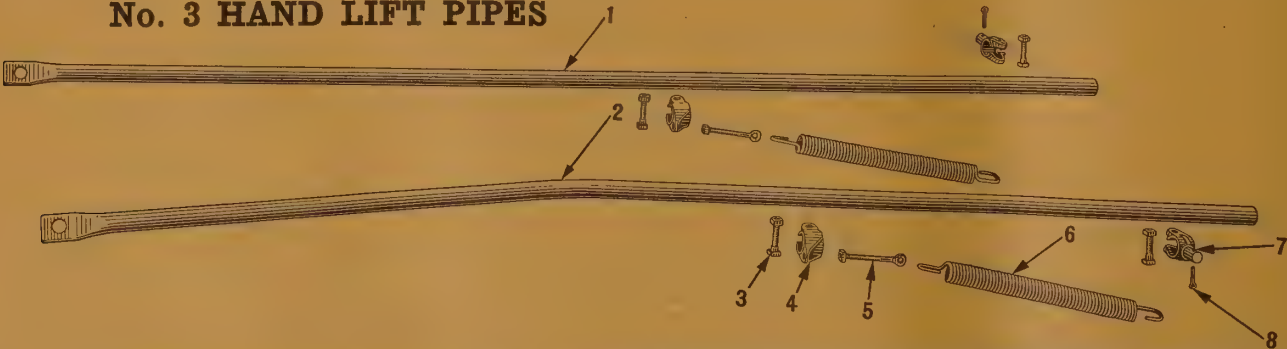
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1		1-1/2 x 1/4" Cotter.....	1
2	F570 A	Lift Shaft Arm Swivel.....	1
3		1 x 1/2" No. 13 Cup Point Setscrew.....	1
4	F453 A	Setscrew Collar on Lift Pipe.....	1
5	22368 A	Lift Pipe, 99".....	1
6	26018 A	Lever Rod.....	1
7		3/4 x 1/2" No. 13 Cup Point Setscrew.....	1
8	D811 A	Setscrew Collar on Lever Rod.....	1
9	E986 A	Lever Rod Collar.....	1
10		1/2 x 2-1/4" Mach. Bolt in E986 A and F569 A.....	2
11	F569 A	Collar with 24250 A and 1-1/8 x 1/4" F. C. H. Rivet.....	1



No. 11 HAND LIFT PIPES

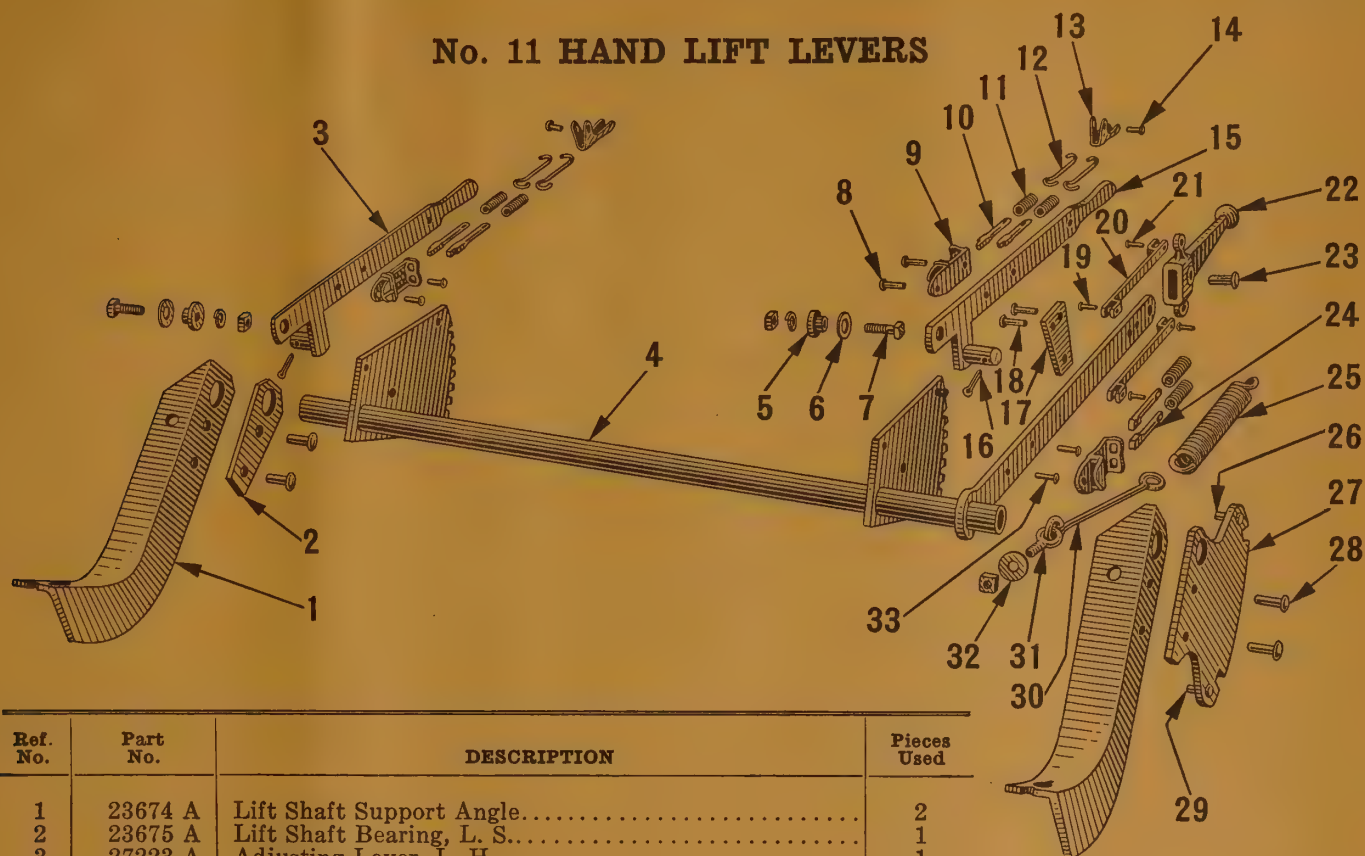
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	21960 A	Lift Pipe, 89".....	1
2		1/2 x 2-1/4" Mach. Bolt in E982 A and F569 A.....	2
3	E982 A	Spring Adjusting Collar.....	1
4	10456 A	Eyebolt.....	1
5	1346 A	Spring.....	1
6	F569 A	Collar w/ 24250 A and 1-1/8 x 1/4" F. C. H. Rivet.....	1

No. 3 HAND LIFT PIPES



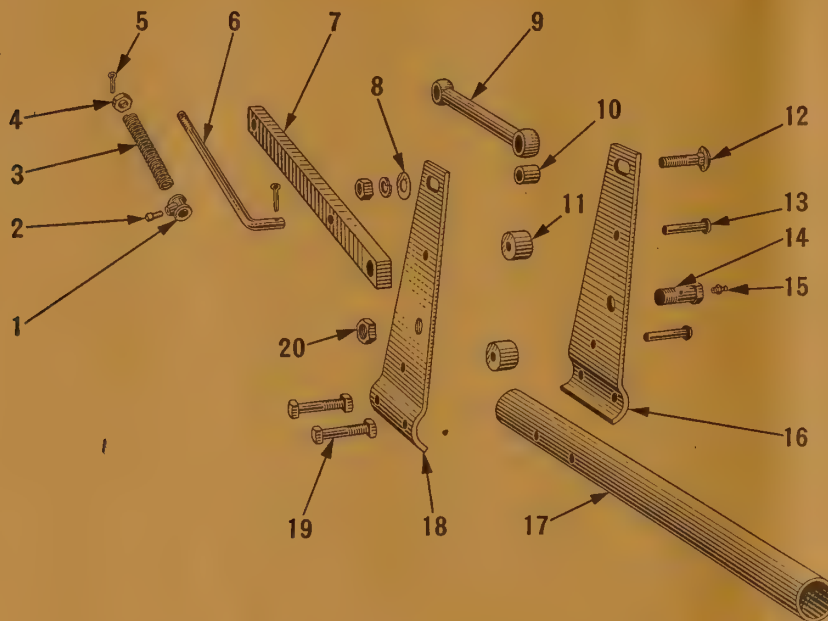
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	21960 A	Lift Pipe L. S., 89".....	1
2	23434 A	Lift Pipe R. S., 89".....	1
3		1/2 x 2-1/4 Mach. Bolt.....	4
4	E982 A	Spring Adjusting Collar.....	2
5	10456 A	Eyebolt with 7/16" Nut.....	2
6	1346 A	Spring.....	2
7	E981 A	Pipe Adjusting Collar.....	2
8		1-1/2 x 1/4" Cotter in E981 A.....	2

No. 11 HAND LIFT LEVERS



Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	23674 A	Lift Shaft Support Angle.....	2
2	23675 A	Lift Shaft Bearing, L. S.....	1
3	27223 A	Adjusting Lever, L. H.....	1
4	27174 A	Lift Shaft.....	1
5	E729 A	Bushing for Adjusting Lever.....	2
6	.....	1-1/2 x 9/16" No. 12 Washer.....	2
7	.....	1/2 x 1-3/4" Mach. Bolt with L. W.....	2
8	.....	1 x 5/16" F. C. H. Rivet.....	4
9	K327 A	Lever Dog Box.....	3
10	11780 A	Adjusting Lever Dog.....	4
11	1293 A	Spring in K327 A.....	6
12	27224 A	Adjusting Lever Dog Rod.....	4
13	11781 A	Adjusting Lever Hand Catch.....	2
14	.....	3/4 x 5/16" O. H. Rivet.....	2
15	27222 A	Adjusting Lever, R. H.....	1
16	.....	1-1/2 x 1/4" Cotter.....	2
17	23673 A	Lift Spring Plate.....	1
18	.....	1-1/4 x 7/16" O. H. Rivet.....	2
19	.....	3/4 x 3/16" O. H. Rivet.....	2
20	21768 A	Master Lever Dog Rod.....	2
21	.....	7/8 x 3/16" O. H. Rivet.....	2
22	E950 A	Master Lever Hand Grip.....	1
23	.....	1-3/8 x 1/2" O. H. Rivet.....	1
24	21766 A	Master Lever Dog.....	2
25	20702 A	Lift Spring.....	1
26	23099 A	Stop Pin in Master Lever Ratchet.....	1
27	24143 A	Master Lever Ratchet.....	1
28	.....	1-1/4 x 1/2" O. H. Rivet.....	4
29	16388 A	Stop Pin in Ratchets.....	5
30	25147 A	Lift Spring Rod.....	1
31	11940 A	Lift Spring Eyebolt w/ 1/2" Nut.....	1
32	.....	1-1/2 x 9/16" No. 12 Washer.....	1
33	.....	1-1/8 x 5/16" F. C. H. Rivet.....	2

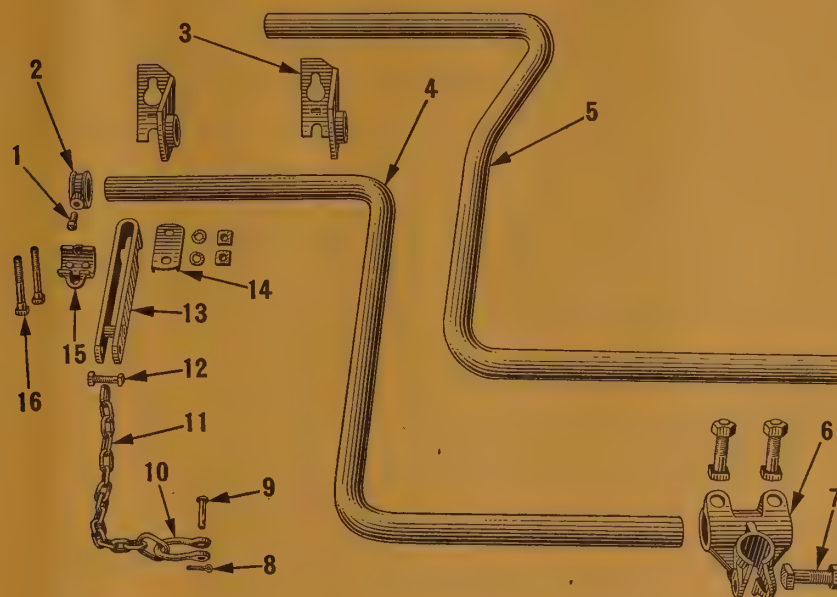
FRONT RIGS



Ref. No.	Part No.	DESCRIPTION	Pieces Used			
			No. 1-A	No. 1-B	No. 1-C	No. 1-D
1	E394 A	Setscrew Collar.....	1	1	1	1
2		3/4 x 7/16" No. 14 Cup Point Setscrew.....	1	1	1	1
3	24338 A	Spring for Lift Rod.....	1	1	1	1
4		5/8" Heavy Hex. Nut.....	1	1	1	1
5		1-1/4 x 1/4" Cotter.....	2	2	2	2
6	27233 A	Lift Rod.....	1	1	1	1
7	{ 27231 A	Lower Rig Link—Offset.....	1	1	1	1
	{ 27232 A	Lower Rig Link—Straight.....			1	1
8		1-1/2 x 11/16" No. 10 Washer.....	1	1	1	1
9	{ 27229 A	Upper Rig Link—Offset.....	1	1		
	{ 27230 A	Upper Rig Link—Straight.....			1	1
10	27047 A	Bushing in Upper Rig Link.....	1	1	1	1
11	F511 A	Spreader.....	2	2	2	2
12		5/8 x 2-1/2" Cge. Bolt with Hex. Nut and L. W.....	1	1	1	1
13		2-1/2 x 1/2" O. H. Rivet.....	2	2	2	2
14	27046 A	Stud for Rig Coupling.....	1	1	1	1
15	JD7759	Alemite Fitting.....	1	1	1	1
16	{ 27225 A	Coupling Plate, R. H. (Tapped).....	1		1	
	{ 27227 A	Coupling Plate, R. H. (Reamed).....		1		1
17	{ 27234 A	Rig Beam, 30".....		1	1	1
	{ 27235 A	Rig Beam, 20".....	1			
18	{ 27226 A	Coupling Plate, L. H. (Reamed).....	1		1	
	{ 27228 A	Coupling Plate, L. H. (Tapped).....		1		1
19		1/2 x 3" Mach. Bolts.....	2	2	2	2
20		7/8" Hex. Jam Nut S. A. E.....	1	1	1	1

SEE CUT 2 FOR RIG POSITIONS

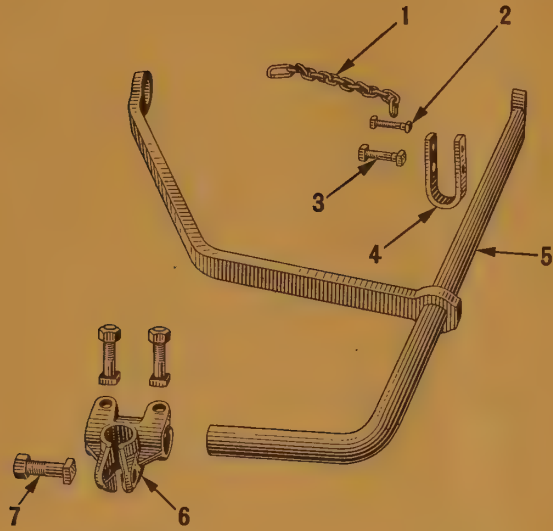
B1-S, B1-T,—B2-S, B2-T REAR RIGS



Ref. No.	Part No.	DESCRIPTION	Pieces Used			
			B1-S	B1-T	B2-S	B2-T
1		1 x 1/2" No. 13 Cup Point Setscrew.....	1	1	1	1
2	M204 A	Setscrew Collar.....	1	1	1	1
3	{ 24029 A	Rig Bearing, R. H.....		2		2
	{ 24030 A	Rig Bearing, L. H.....	2		2	
4	{ 21722 A	Rig Beam, R. H.....		1		
	{ 21723 A	Rig Beam, L. H.....	1			
5	{ 21944 A	Rig Beam, R. H.....				1
	{ 21945 A	Rig Beam, L. H.....			1	
6	E966 A	Shank Clamp.....	1	1	1	1
7		5/8 x 2-1/2" Mach. Bolt with Heavy Hex. Nut.....	3	3	3	3
8		1 x 3/16" Cotter.....	1	1	1	1
9	768 Rivet	Drilled Rivet in 13397 A.....	1	1	1	1
10	13397 A	Chain Loop.....	1	1	1	1
11	22505 A	Chain.....	1	1	1	1
12		3/8 x 1-3/4" Mach. Bolt.....	1	1	1	1
13	21714 A	Lift Arm with 15925 and 1-3/4 x 3/8" O. H. Rivet.....	1	1	1	1
14	19048 A	Cap for Lift Arm.....	1	1	1	1
15	E987 A	Cap for Beam.....	1	1	1	1
16		1/2 x 3-1/4" Mach. Bolt with L. W.....	2	2	2	2

SEE CUT 2 FOR RIG POSITIONS

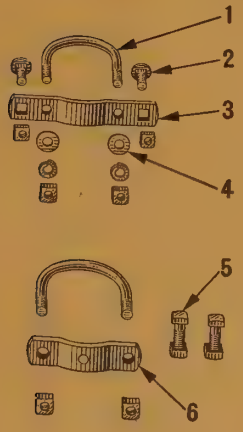
B1-R REAR RIG



Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	22505 A	Lift Chain.....	1
2	.....	3/8 x 2-1/2" Mach. Bolt.....	1
3	.....	1/2 x 2-3/4" Mach. Bolt.....	1
4	21713 A	Clamp for Lift Chain.....	1
5	25539 A	Rig Beam.....	1
6	E966 A	Shank Clamp.....	1
7	.....	5/8 x 2-1/2 Mach. Bolts with Hex. Nut	3

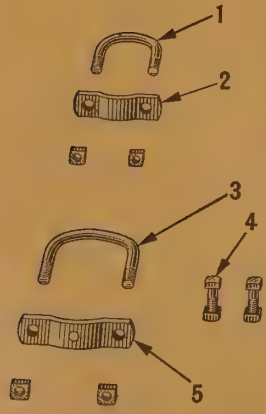
See Cut 2 for Rig Positions

S10486 ADAPTER



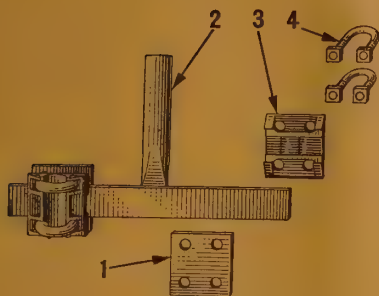
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	21300 A	Clip with 2-5/8" Nuts.....	2
2	.....	5/8 x 1-1/2" Cge. Bolts.....	2
3	24129 A	Strap.....	1
4	15353 A	Washer.....	2
5	.....	5/8 x 2" Mach. Bolts.....	2
6	21301 A	Strap.....	1

S10487 ADAPTER



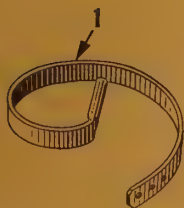
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	23204 A	Clip with 2-5/8" Nuts, Upper.....	1
2	23205 A	Strap, Upper.....	1
3	21300 A	Clip with 2-5/8" Nuts, Lower.....	1
4	21301 A	Strap, Lower.....	1
5	.....	5/8 x 2" Mach. Bolt.....	2

Nos. 14 AND 15 STUB BEAMS



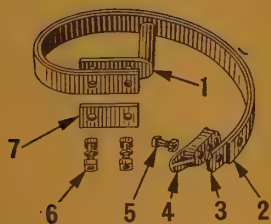
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	16254 A	Shank Holder Plate.....	2
2	21365 A	Stub Beam.....	1
3	E636 A	Shank Holder.....	2
4	22085 A	Clip for Shank.....	4

Nos. 20, 21 AND 29 SHANKS



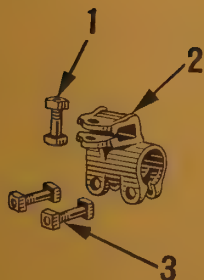
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	16035 A	Spring Tooth.....	1

No. 22 SHANK



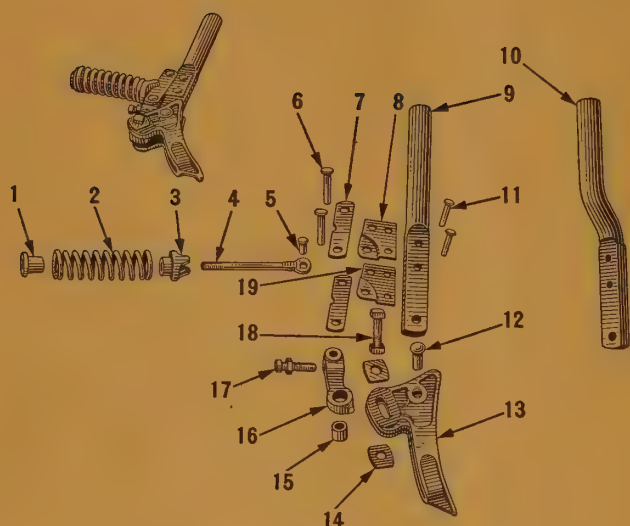
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	20318 A	Spring Tooth Shank.....	1
2	20321 A	Spring Tooth Leaf.....	1
3	20320 A	Spring Tooth.....	1
4	E972 A	Filler Block.....	1
5	.....	1/2 x 1-1/2" Mach. Bolt.....	1
6	.....	1/2 x 2" Mach. Bolt with L. W.....	2
7	20319 A	Reinforcing Strap.....	1

No. 28 CLAMP



Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	2 x 5/8" Mach. Bolts.....	1
2	F565 A	Clamp.....	1
3	.....	2-1/2 x 5/8" Mach. Bolts.....	2

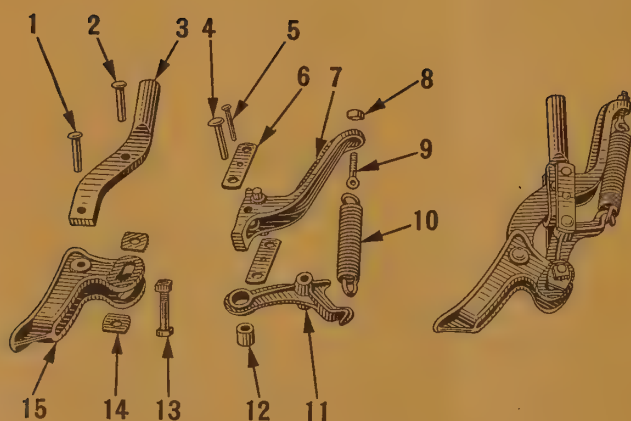
Nos. 16, 17, 25, 65 AND 66 SHANKS



Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	E771 A	Nut for Spring Plunger.....	1
2	19023 A	Spring.....	1
3	E773 A	Spring Stop.....	1
4	19019 A	Spring Plunger Rod.....	1
5	775 Rivet	7/8 x 7/16" O. H. Rivet, Special.	1
6	731 Rivet	1-7/8 x 7/16" O. H. Rivet, Special.	2
7	24917 A	Strap.....	2
8	24916 A	Plate, L. H.....	2
9	25368 A	Shank, 13-1/4", used on Nos. 16 and 17 Shank Bundle.....	1
	25367 A	Shank, 11-1/4", used on Nos. 25 and 65 Shank Bundle.....	1
10	27175 A	Shank, Offset, used on No. 66 Shank Bundle.....	1
11	.....	1-1/2 x 3/8" O. H. Rivet.....	2
12	.....	1-7/8 x 1/2" O. H. Rivet.....	1
13	E816 A	Sleeve.....	1
14	15645 A	Corrugated Washer.....	2
15	H204 A	Bushing in E772 A.....	1
16	E772 A	Connecting Link.....	1
17	.....	1-7/8 x 1/2" No. 13 Flat Point Set-screw with 1/2" Hex. Jam Nut 5/16" Thick.....	1
18	.....	7/16 x 2-1/4" Mach. Bolt Cut Thread.....	1
19	24915 A	Plate, R. H.....	1

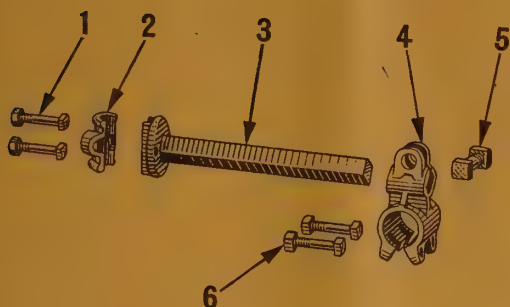
NOTE: On orders for one or two No. 27175 with E816 and Spring Trip. The No. 66 Shank Bundle will be furnished.

No. 18 SHANK



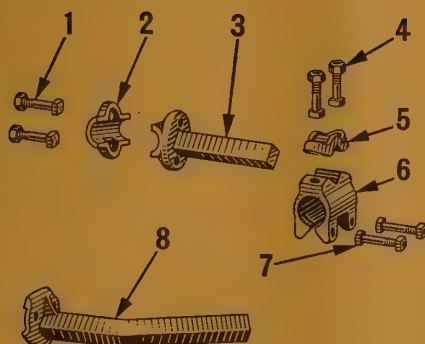
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	671 Rivet	1-5/8 x 7/16" O. H. Rivet, Special	1
2	679 Rivet	1-1/2 x 7/16" O. H. Rivet, Special	1
3	21883 A	Shank.....	1
4	680 Rivet	2-1/2 x 7/16" O. H. Rivet, Special	1
5	683 Rivet	2-3/8 x 1/4" O. H. Rivet.....	1
6	15635 A	Strap.....	2
7	E602 A	Spring Post.....	1
8	63 Nut	Nut on No. 15720.....	1
9	15720 A	Eyebolt.....	1
10	15718 A	Spring.....	1
11	E603 A	Connecting Link.....	1
12	H204 A	Bushing in E603 A.....	1
13	.....	7/16 x 2-1/4" Mach. Bolt Cut Thread.....	1
14	15645 A	Corrugated Washer.....	2
15	E976 A	Sleeve.....	1

No. 27 CLAMP AND CROSSHEAD



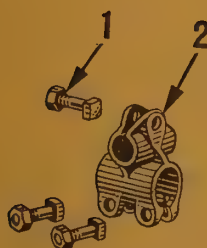
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	5/8 x 2-3/4" Mach. Bolt with Heavy Hex. Nut.....	2
2	B657 A	Cap for 20358 A.....	1
3	20358 A	Cross Arm.....	1
4	E983 A	Clamp for Cross Arm.....	1
5	.....	3/4 x 2-3/4" Mach. Bolt.....	1
6	.....	5/8 x 2-3/4" Mach. Bolt.....	2

Nos. 63, 64 AND 67 CROSSHEADS



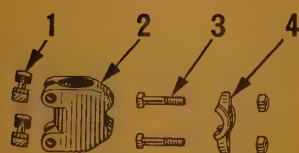
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	5/8 x 2-3/4" Mach. Bolts with Heavy Hex. Nut....	2
2	B657 A	Cap for Cross Arm.....	1
3	{ 20746 A	Cross Arm 8" Long, used on No. 63 Crosshead....	1
	{ 20357 A	Cross Arm 10" Long, used on No. 64 Crosshead....	1
4	.....	5/8 x 2-1/2 Mach. Bolts with Heavy Hex. Nut....	2
5	F580 A	Cap for H373 A.....	1
6	H373 A	Cross Arm Clamp.....	1
7	.....	1/2 x 2-3/4 Mach. Bolt.....	2
8	27203 A	Cross Arm, used on No. 67 Crosshead.....	1

No. 38 CLAMP



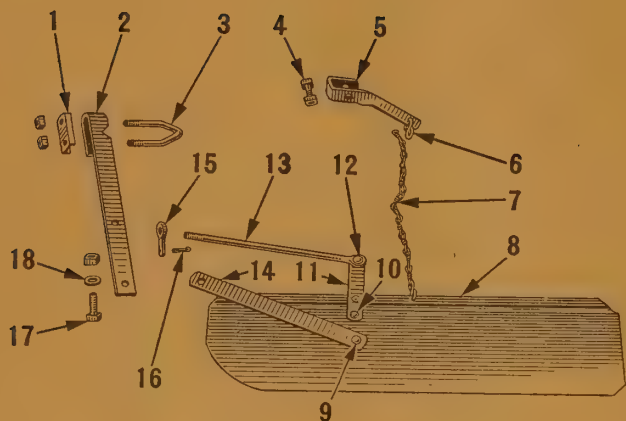
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	2-1/2 x 5/8" Mach. Bolt with 5/8" Heavy Hex. Nut.....	3
2	E899 A	Shank Clamp.....	1

No. 49 CLAMP



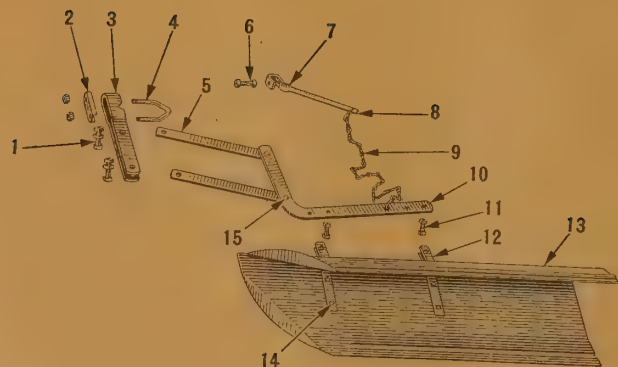
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	1/2 x 2-3/4" Mach. Bolt.....	2
2	H369 A	Shank Clamp.....	1
3	.....	1/2 x 2-1/4" Mach. Bolt.....	2
4	H370 A	Cap for H369 A.....	1

No. 108 SHIELD



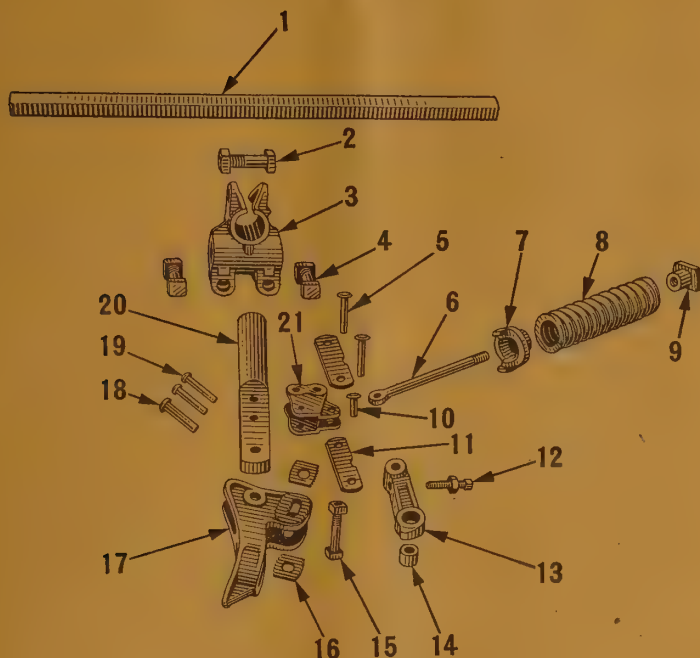
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	21919 A	Cap for 21918 A.....	1
2	{ 27176 A	Shield Arm, R. H.....	1
	{ 27177 A	Shield Arm, L. H.....	1
3	21918 A	Clip with 2—1/2" Nuts.....	1
4	.....	7/16 x 2" Mach. Bolts.....	1
5	21920 A	Chain Arm.....	1
6	1 S-Hook	S-Hook.....	2
7	4665 A	Chain.....	1
8	{ 20870 A	Shield, R. H. (Blade only).....	1
	{ 20871 A	Shield, L. H. (Blade only).....	1
9	{ 701 Rivet	Shoulder Rivet.....	1
	{ 23869 A	Washer on No. 701 Rivet.....	1
10	.....	5/8 x 1/4" F. H. Rivet.....	2
11	19079 A	Strap.....	1
12	.....	7/8 x 3/8" O. H. Rivet.....	1
13	20248 A	Adjusting Rod.....	1
14	20793 A	Strap.....	1
15	19883 A	Eyebolt for 20248 A.....	1
16	.....	Cotter in 19883 A.....	1
17	.....	1/2 x 1-1/4" Mach. Bolt with 1" Thread.....	1
18	24086 A	Washer on Bolt, Strap to Shield Arm.....	1

No. 104 SHIELD



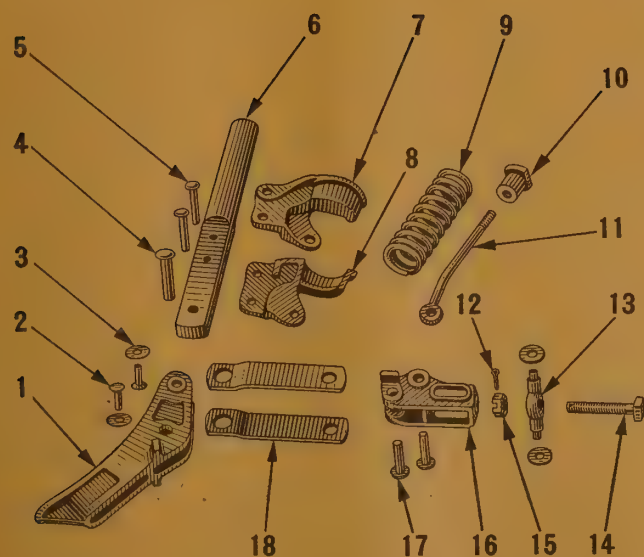
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	1/2 x 1-3/4" Mach. Bolt with 2 Nuts.....	2
2	21919 A	Cap for 21918 A.....	1
3	23088 A	Chain Support.....	1
4	21918 A	Clip with 2— 1/2" Nuts.....	1
5	20793 A	Arm Strap.....	2
6	.....	7/16 x 2" Mach. Bolts.....	1
7	22826 A	Chain Arm.....	1
8	24 S-Hook	S-Hook.....	2
9	4665 A	Chain.....	1
10	23089 A	Arm.....	1
11	.....	3/8 x 1-1/4" Mach. Bolt.....	2
12	18370 A	Shield Strap.....	4
13	18368 A	Shield.....	1
14	.....	1/2 x 1/4" F. H. Rivets.....	8
15	714 Rivet	Shoulder Rivet.....	2

No. 12 SPREAD BAR



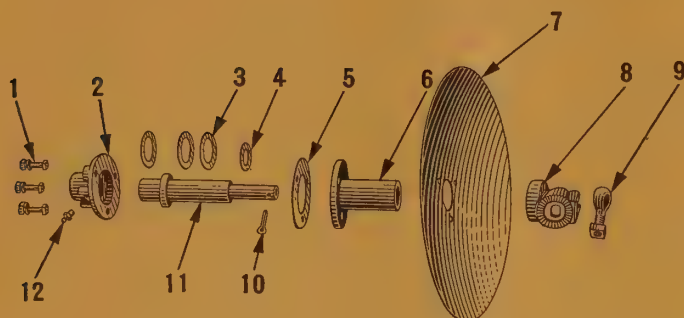
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	23716 A	Spread Bar.....	1
2	.....	3/4 x 2-3/4" Mach. Bolt...	1
3	F547 A	Shank Clamp.....	1
4	.....	5/8 x 2-3/4" Mach. Bolt...	2
5	779 Rivet	2 x 7/16" O. H. Rivet Special	2
6	23770 A	Spring Plunger.....	1
7	F555 A	Spring Stop.....	1
8	23772 A	Spring.....	1
9	F556 A	Nut for Spring Plunger...	1
10	778 Rivet	1 x 7/16" O. H. Rivet Special	1
11	23771 A	Strap.....	2
12	.....	1-7/8 x 1/2" No. 13 Flat Point Setscrew with 1/2" Hex. Jam Nut.....	1
13	F554 A	Connecting Link.....	1
14	23723 A	Bushing in F554 A.....	1
15	.....	7/16 x 2-1/4" Mach. Bolt Cut Thread.....	1
16	15645 A	Corrugated Washer.....	2
17	E816 A	Sleeve.....	1
18	.....	1-7/8 x 1/2" O. H. Rivet...	1
19	.....	1-3/4 x 3/8" O. H. Rivet...	2
20	23769 A	Shank.....	1
21	F553 A	Plunger and Trip Strap Support.....	1

Nos. 52 AND 53 SHANKS



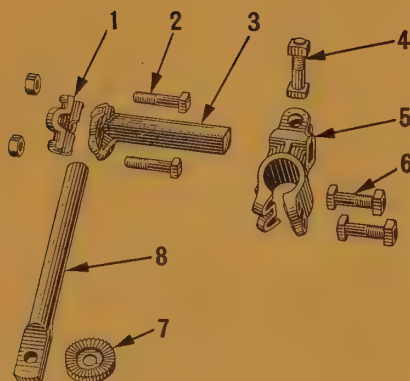
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	F608 A	Sleeve.....	1
2	.....	1" x 5/16" F. C. H. Rivet.....	2
3	.....	1" x 11/32" No. 16 Washer.....	4
4	.....	1-7/8 x 1/2" O. H. Rivet.....	1
5	.....	1-7/8" x 3/8" O. H. Rivet.....	2
6	25786 A	Shank.....	1
7	F610 A	Spring Support, L. S.....	1
8	F609 A	Spring Support, R. S.....	1
9	19023 A	Spring.....	1
10	E771 A	Nut for Spring Plunger.....	1
11	25247 A	Spring Plunger.....	1
12	.....	3/4" x 1/8" Cutter in No. 211 Bolt	1
13	25246 A	Sleeve Adjusting and Trip Strap Support.....	1
14	211 Bolt	1/2" x 2-3/4" Mach. Bolt Drilled	1
15	.....	1/2" Slotted Hex. Nut.....	1
16	F611 A	Plunger and Swivel Coupling....	1
17	.....	1-3/4" x 7/16" O. H. Rivet.....	2
18	25245 A	Strap.....	2

LC 2 DISK



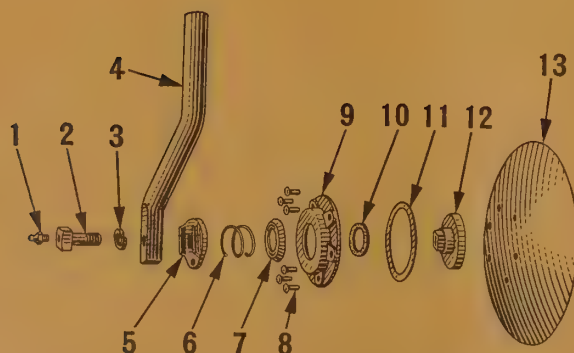
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	.....	1-1/4 x 3/8" Mach. Bolt Cut Thread with L. W.....	3
2	K525 A	Hub Cap.....	1
3	19322 A	Washer.....	3
4	18979 A	Washer.....	1
5	23656 A	Cardboard Gasket.....	1
6	K524 A	Hub.....	1
7	4212 A	Disk.....	1
8	K350 A	Sand Cap.....	1
9	4269 A	Eyebolt with 1/2" Nut....	1
10	.....	1-1/4 x 1/4" Cotter.....	1
11	K523 A	Spindle.....	1
12	JD7759	Alemite Fitting in K523 A.	1

LC 9 SHANK



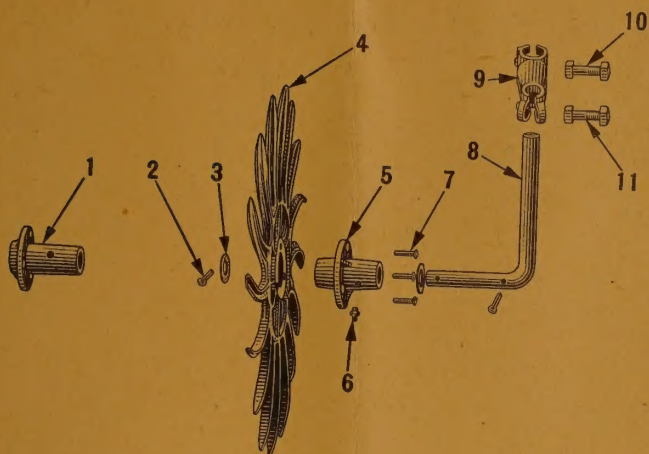
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	B657 A	Cap for 20746 A.....	1
2	.....	2-3/4 x 5/8" Mach. Bolt with 5/8" Heavy Hex. Nuts	2
3	20746 A	Cross Arm.....	1
4	.....	2-3/4 x 3/4" Mach. Bolt.....	1
5	E983 A	Clamp for 20746 A.....	1
6	.....	2-3/4 x 5/8" Mach. Bolt.....	2
7	K544 A	Corrugated Washer.....	1
8	22089 A	Shank.....	1

Nos. 8A AND 12A DISK HILLERS



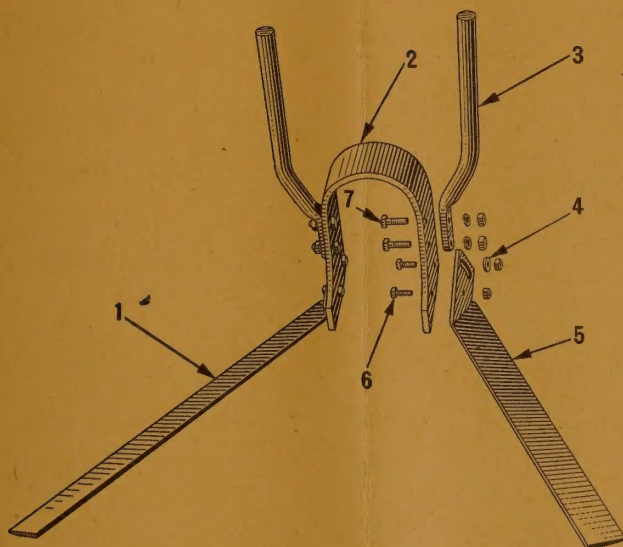
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	JD7759	Alemite Fitting.....	1
2	121 Bolt	Hub Bolt.....	1
3	.....	5/8" Lock Washer.....	1
4	{ 24649 A	Shank, R. H.....	1
5	{ 24650 A	Shank, L. H.....	1
6	K504 A	Retaining Washer.....	1
7	S7 M	Spring for Dust Cap.....	1
8	A458 M	Dust Cap.....	1
9	.....	3/4 x 1/4 O. H. Rivet, Pointed.....	6
10	K503 A	Bearing Case.....	1
11	B1845 M	Felt Washer Under A458 M.....	1
12	20624 A	Paper Washer.....	1
13	K502 A	Bearing Hub.....	1
13	{ 20377 A	12" Disk for the 8A Disk Hiller.....	1
13	{ 22877 A	14" Disk for the 12A Disk Hiller.....	1

No. 102 ROTARY HOE SHIELD



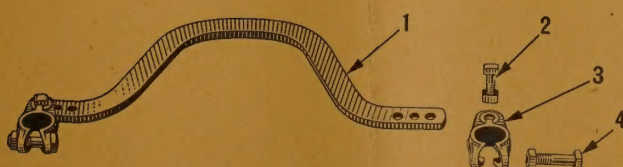
Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	F515 A	Hub, L. H.....	1
2	.....	1-1/2 x 1/4" Cotter.....	2
3	.....	1-5/8 x 1-1/32" No. 16 Washer..	2
4	M350 D	Wheel.....	1
5	F557 A	Hub, R. H.....	1
6	JD7759	Alemite Fitting in F515 A or F557 A.....	1
7	.....	1-1/4 x 7/16" O. H. Rivet.....	3
8	22830 A	Axle.....	1
9	F516 A	Axle Clamp.....	1
10	.....	5/8 x 2-1/4" Mach. Bolt.....	1
11	.....	5/8 x 2" Mach. Bolt.....	1

No. 1 KNIFE ATTACHMENT



Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	16149 A	Knife, L. H.....	1
2	23798 A	Arch.....	1
3	23799 A	Shank.....	2
4	.....	1-1/8 x 1/2" No. 16 Washer.....	2
5	16148 A	Knife, R. H.....	1
6	.....	7/16 x 1-1/4" Mach. Bolt with L. W.	4
7	.....	1/2 x 1-3/4" Mach. Bolt with L. W..	4

No. 9 SPREAD ARCH



Ref. No.	Part No.	DESCRIPTION	Pieces Used
1	23313 A	Spread Arch.....	1
2	.....	5/8 x 1-3/4" Mach. Bolt.....	2
3	F534 A	Clamp for 23313 A.....	2
4	.....	5/8 x 2-3/4" Mach. Bolt.....	2

USE GENUINE JOHN DEERE SWEEPS AND SHOVELS

Y 803 A—8"
Mixed-LandY 847 A—8"
Black-Land

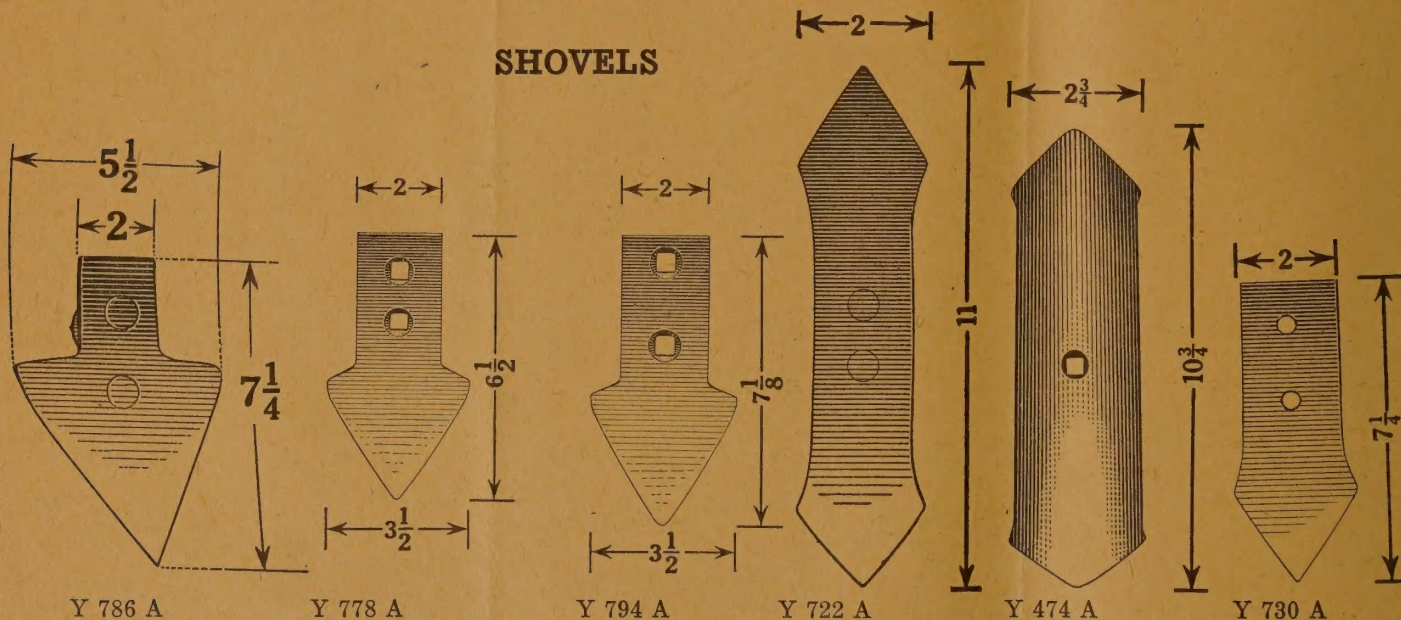
SWEEPS

Y 817 A—8"
General Purpose
Heat-Treated
and PolishedR. H.
Y 808 A—
6-1/2"
Mixed-LandL. H.
Y 809 A—
6-1/2"
Mixed-Land

SIZE OF SWEEPS

	Mixed-Land Sweep	Black-Land Sweep	General Purpose Sweep
4" Full Sweep.....		Y845 A	
5" Half Sweep, R. H.....			Y822 A
5" Half Sweep, L. H.....			Y823 A
6" Full Sweep.....	Y802 A	Y846 A	Y816 A
6" Full Sweep, 2 Bolts for Spring Tooth.....			Y815 A
6-1/2" Half Sweep, R. H.....	Y808 A		Y820 A
6-1/2" Half Sweep, L. H.....	Y809 A		Y821 A
8" Full Sweep.....	Y803 A	Y847 A	Y817 A
10" Full Sweep.....	Y804 A	Y848 A	Y818 A
12" Full Sweep.....	Y805 A	Y813 A	Y819 A
14" Full Sweep.....	Y806 A	Y814 A	
16" Full Sweep.....	Y807 A	Y827 A	
18" Full Sweep.....		Y828 A	
20" Full Sweep.....		Y829 A	

SHOVELS



No.	Size	Type	Material	Used On
Y786 A	5-1/2" x 7-1/4"	Single-Point	Hard	Sleeve
Y778 A	3-1/2" x 6-1/2"	Single-Point	Solid	Spring Tooth
Y794 A	3-1/2" x 7-1/8"	Single-Point	Solid	Sleeve
Y722 A	2" x 11"	Double-Point	Solid	Spring Tooth
Y474 A	2-3/4" x 10-3/4"	Double-Point	Solid	Sleeve
Y730 A	2-1/4" x 7-1/4"	Single-Point	Hard	Spring Tooth

For Other Types of Shovels or Sweeps See Your John Deere Dealer.

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72 Bolt	25	20320 A	31	23656 A	36	27225 A	28		
								F453 A	26
121 Bolt	36	20321 A	31	23673 A	27	27226 A	28	F511 A	28
211 Bolt	35	20357 A	33	23674 A	27	27227 A	28	F515 A	37
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679 Rivet	32	20377 A	36	23716 A	35	27229 A	28	F534 A	37
680 Rivet	32	20624 A	36	23723 A	35	27230 A	28		
								F547 A	35
683 Rivet	32	20702 A	27	23769 A	35	27231 A	28	F553 A	35
701 Rivet	34	20746 A	33	23770 A	35	27232 A	28	F554 A	35
714 Rivet	34	20746 A	36	23771 A	35	27233 A	28	F555 A	35
731 Rivet	32	20793 A	34	23772 A	35	27234 A	28	F556 A	35
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		20870 A	34					F557 A	37
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16149 A	37	22373 A	25	27171 A	25	E773 A	32	K524 A	36
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Farm Accidents Can Be Prevented with Your Help

No accident prevention program can be successful without the whole-hearted cooperation of the person who is directly responsible for the operation of equipment.

To read accident reports from all over the Country is to be convinced that a large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the harvest field or in the industrial plant, can be safer than the man who is at the controls. If farm accidents are to be prevented—and they can be prevented—it will be done by the operators who accept a full measure of their responsibility.

It is true that the designer, the manufacturer, the safety engineer can help, and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said "that the best kind of a safety device is a careful operator." We ask you to be that kind of an operator.

NATIONAL SAFETY COUNCIL